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BC28 CV16 EB83 上ラーア(参考) S0088 VV33 B001 BC12 BC55 BC41 (水I水) 樹冬 盤片 土野代 090501001 人些升(47) るの政権は同じて「四半時中半時期のあ

## 數基遊 【希洛の問発】(43)

【吳手夾穎】 **あずび難困** 

【磷要】(72)

°Ç

も小変314をくそも前限1代のをくぐた用宝光竣りくたそ 、つのさない動なんをくそも動のもんをくそるれる気土 、果部の子。さいファカン間限なんをくそ、ラのさな異 - 0 81 🗢 ていない広状行進の対数、お間胡り余の多、てしそ。る 度─3(単称数)重度は3.8.4.6.人 いてれるで、てインでもつ間都で糸の野処衛陽対数、お 事を登→874~8 神理 (11) 生物を ラグイン 生物を見てての (そくせんのあれるを放出多もAをくそ) をくせれの めれるで宝安多動膜爪のをくぐれのめれるで気主を 84 01-た、以後、カウンタはその値から歩進していく。 グル、み 0 81 l l ← E ち宝強な動膜内なが稀フしく動すべでな、33更るを(4 左一ろ(創作品) 養殖部状 3 4 ぞくで くでなり[] 周 [ 体動の (をくでな用家先送すくでそ) ランダム台組出 社会(3) を取引置として保存 ランダム台・地震量 なくやれのあれるを放生を3ムをくさ 多**ふっるを**宝詩る 体略 代数 技 強 多 と く こ ト 々 る を 度 一 ン り 前の宝布体前機、よういつの前機の代以前機をれるい用 ひんがるを宝夾を心否へるをう憩状技運気材 【題縣】 81 -- 0 84 % CE

OT

並び段手出検限替えれるい號へ場別競別替べてり下を信う 、のなる意状主発所審が判案をよってれる出検や科欺技 いこのはの動態値検、が中間限るいファなる意状主発所審 がよってれる出検や科欺技蔵のよい段手出検値的なれる な体下ファムの音技数を置装賞人変同限替、アいてもを 対極式特を下降師の識別な体育ファムの書表類の心態状

| はの用示表変に宝||は「備、フィルンような立気性条の気| | はな前様される出時、J 出曲を前様の段手様更削機用弦 | 変に宝||は「値」、プ合製よし選ーと動気||の用示表変に宝 | スをも、熱線示表の限替に値を果結示表をわなび略示表

、 えれる被更な男手被更勤機用取伴の用示表変而取時品前 これを被更な男手被重動機用取件の用示表変而取時品前 できたなるを姪一と前面判件の用示表変而取時品前が動機 の数対数の雄品で更本轄るを邸储いてよるない家不が 暗示表変に重普な館に別変多熱状示表 【9更本籍】

と、 め立めこめるが果材示表るわける表示部であるかじめ定め もいを表述の定義を表している。 といきないででである。 といきないでは、 のでは、 のでは、

、3 智装質人変に配着るを小変い窓状な体育ファ さも示表多数想示表の实行品前フ33路示券変に配着品前 動機の宝布、多動機の用気性るよる7月333時の必否必 段手祿更動機用気性の用示券変に配着るも審更で内囲避

、と段手様更前機用気性の用小変監構胎 はの用小変選構語内語前、アッケンも32立丸斗条の気形 でも前機がはち出粧、J出粧を前機の段手様更前機用家 路内の圏装賞人変同限券語前アッケムを32も動気性の家 多も段手気が1変造構造内を行き気がるは関33小変造構

るれる帝更つ妈手帝更動機用宝岬の用小変連構暗内品値 対京不がせいミトをるを発一と動宝庫の新記値は動機

`? 05

認載の遊技機。

多帝東の前楼の<u>段手帝東</u>前機用前膊爪信前ブルプとよろ 動機さいてれる特界の現手部語を一て施変語前, こり合思 , パち 割 語 休 副 矮

04 の段手辞更前機用前期で よりごり 手動語を一下値変弱値 、大齢を母手勧店セー

**〒健変な鉛になるつるを特別多々ーマオれら割詰が間膜** 。数数数の旋場の121数水橋の

フバち宝器が<br />
遺状<br />
上禁<br />
近隣<br />
お中里<br />
吸る<br />
で<br />
帯更<br />
を<br />
前<br />
<br />
が<br />
の<br />
段 手禘更動機用動棋(ホブム)ない間部(1条 【 8 【 )東末龍】 。數数數の雄語 [ ]

更本龍るれち帝更し近で繋びいはい間部で余の間部るを 要心理処職時去越場前, 如到幾0段手將更勤機用前期所

、した実を更吸岡陽敖数フリ 

, え 勸

多段手略陽敖越るを略陽多計逝の敖越 【21更永龍】 項10記載の遊技機。

**本龍しいなⅠ更本體るで晒暘スメイえるなスシ宝不ぬせ**く彡 ト々るで姪― 5動宝牌 ひよび 段手更変動 関係る も更変き 前期所の前後の段手帝更前幾用玄伴語前ブバ用多前幾用 動既低場而よるを回周回気液体動機の段手務更動機用式 は写前、ひよお、妈手禘更勤焼用動魄吹るを辞更多勤機 02 用面膜低の面接の類手罹更面機用気件 【 I 【 更本 情】 。数对逝

の舞品 8更次請しいな 1 更次請るあで銷币なよごるを誘 琳多帝更の<u>勧強の</u>段手帝更<u></u>
動機用玄| に信前フィルで よる 31 動機をいてれる特界の段手部語を一子値変語前、51合駅 , れる 勧 語 は 動

幾の段手禘更前幾用玄咩、おぶ段手部語を一下値変語前

, 大齢を段手割話セー

**〒値変な鉛匠なよっるを料果多々ーデオれき割揺む間膜** OL 宝雨きてし1引は給サ代軍の~数封逝 【01更永情】 記載の遊技機。

8更末蘢しいな「更本蘢るを略帰いるよるない玄不込む く ミト 々る も 姪一 占動 気 (中の 用 示 表 変 に 重 普 場 前 が 動 俊 るれる罹更で現手罹更動機用家件の用示表変厄重普話前 、え勸さく段手京夾鉢撒示表配普るを玄夾さく

こるもろ熱憩示表の気液に高値多果結示表るものよう階で表 変厄重普 品前 、 31合製 31 以 全型 31 以 全型 31 以 で 日本 表変 に 重 普込前機式れる出断、J出航多前機の段手確更前機用家 件の用示表変
に配普
語前 、ブバト も 3 )立

和 4 条の

京 元

ふ はられる場合がある。そのような不正基板は進技制的を みなイミングを狙うためば、遊技機に不正基板が取り付 も担発体前機店をも廃一ろ前気件で芒大。そましてっな **よるも行を対弧から肌をやくミトをもも主発が削機店を** を産ーと動家件のど大、」ろをで。 ぐましてれる 離臨 はん くぎトをるで主発多動機店るで姪─3動気件の芒大、3 るれる出勢が胰間るで周」が動すべでれのをくぐれや膜 周のて、てインやなつ段手のふる同、つのるれるて、て インやなろり、内膜気もが動くくやなのをくやな【4000】 。それら射ファ

よぶょっるも出曲多動インやなのをくぐれる気が動膜所 **よるえ越る動大量や動すくやれれちてゃてすくでもの的** 膜宝 ,5i強一 ,粘面機品 。るれち宝英5155 をもし ( 成の条件が成立すると乱数を発生させ、 乱数値があらか 雨、おういよう時間表強される対数対数なさよの多、な るあな (熱状対強の世大) 熱状対強気材るあな対鉛に 

るれち戸け37苦対逝が等税品景の竣を、ブリム憩状な味 °9473336

ない意状をなくを今し立気体科条の出址報貨 、今らこる すのかせる主発を呼動のあれるなる意味な体育ファムス おたものがある。遊技価値とは、例えば、遊技機の遊技 ち効構ふらえるえきい苦技強を動品技嫌の宝液の合思が

し立気や井条の気而がきょるいてれな行べ放動、5)るち 。るおやのきるれる出い法37者対数が救費の勘宝而、5

るを賞人込む財技強の設定していません。 それ盛ぶ減酸技逝、 しは発ぶ減酸対数でよぶ置装快発 多本製技強のさな扱技型、ブンム製技型【高技の来が】 [0002]

に関する。

敬の宝液な苦姑逝、お即発本【理代添焚るを園の即発】 [[000]

【明鏡な略葉の明発】

。数技数の雄語 8 「更水龍」 いな 「 更水

, え勧さく母手

略储音で行多略储の段手业発音をいてれるい號の數数数 プルプトン 3011 くマにるれる man 手 を は が が は でも とっかい て

。数対数の旋馬 4 I 東水龍 J いな I 東水

**龍るパま合い段手畸婦対難35前、お段手飛更動機用取**呼 , 永齢をも規手

くたたのあれるも数主き012をくらずるとをくされえ 囲齑前楼の宝布多前楼の用宝吽るれるい用ス宝吽るは関 4.2口人受宝特別え例) 刺騎宝寺かれるい鑑い内置装 賞人変厄限寺、お置装賞人変厄限寺、フゃあう数対強が え働き(022<u>B</u>装む賞人変にむえ网) <u>B</u>装賞人変にR **替います。また、これを対象に多います。** 

~41.22てでそれが例)るで簡単かるよるなが気不 **はやくミト々るを姪― 4動宝岬の宝布は創焼るれる罹更** はてPU56、特にステップS86,S5020処理 構造内の置装賞人変同限券ブィッで 3 あろう (動かし 流校 3.当構暗内な体育ファム3、皆技趣なえ例、動気性の気液 **占前機式れる出断、J出断き削機の数手罹更削機用気**件 の用小変 掛路内フィット ようい立 海 井条の 京 病 、 ろ ( を

多宝央るは関3/1/変革構幣内の置装賞人変に収替るれる J. 想为数数或材,必段丰家水外变凿耕皓内【0 I 0 0】

多も3 (野域の7222~4222℃で元スず7122

いよきていてたち気静ひるよそ行

多宝光るは関づ小変遊構暗内の置装賞人変厄眠群の影下 

よりふきていてたち叔 構る16よ(7012~4012ででそれれた例) &を略 はこれるようなスカストなんできたなるでなーと動気件の気 **特心
動
域
る
れ
ち
森
東
更
の
明
示
表
変
に** 限券、大齢を3(更吸の422ででそれが替、82U9 ONAM) 與手玄夾絲號示表玄帮るで玄夾刈とこるでと **熱想示表室替多果諸示羨るわない暗示奏変に収辞、い合** 駅かし 産ーム 動気性の 気持な動機 かれる 出酢 、 し出 助き 動機の段手帝更動機用<br />
気はの用示表変<br />
ではおいてよ よ31立効判条の玄液 、5 (をくたれのめれるを効型を I ムをくらおえ例) 妈手禘更勤姓用宝吽の用示秀変に収替 るで帝更つ内囲蹄動機の気液多動機の用気件されるい用 3) 宝岬の 心否 心る も 示表 多 新 懇 示 表 宝 持 ブ 3) 昭 示 表 変 厄 限寺、ファもう数技強な鉛回略師の認及技強宝寺の神条 多」ろうれっな」(かけ合み豚の耐図るかる主発多びど大 おえ内) 茅穂元表京村バれる仓気仓いへる仓が果辞元表 るいは30暗示表変厄収替、え勤多(8置装示表変厄払え 网) 暗示表変厄収替な鎖厄外変多激状示表【2 [00] 行うように構成されていてもよい。

多(023置装稅賞人変向払 系限) 置装賞人変同限替ぐ 行き計値値始るなる態状の I 策な体育ファム SP表数る 心臓状の2葉が体不ブで33苦対極、0 よぶ出険の(5) る02~8302器出対五値的およ例) 均手出対値的 るも出効を対数対数プス1(コトロユ~Bトロ2口買人値 (0013) 遊技領域に設けられた始勤領域 [EIOO]

> 3.主体益体不3/13大動る4/フリ累張多数大数、果酔の子 。さない鎖になることかる主義の五不多しのど大」 (送 多号副の宝布の保路路回で行る略制対数づかくミトをの そ、おが基本不、プレチ。そいプレ出対をヤンミトをる を主発体前機店をも廃一ろ前宝件のど大、J出勢をたぐ ミトを健時の代階路回で行き暇帰敖敬プいで ろも 37号 冒

。そなりし鞭 はよって胚を主発の勧換店をかちご主をして些大」るか 帝代、おえ行る暗陽をくたれなるよのろ。るいフれる案 邸なよっるものそよを見い動なんをくで、>なむつのを OI 晃3/動の宝許多動インでは、5.8で套3/動大量社動イン は多単発の前機店をかる3世多し7世大 【 6000】 °6×7ユ

。いないフパち献体策快な代十フし校び 機店のされる、、なるいてれる気料が熱技強づくえるない 認状な体育ファム33巻対数3.6を按一33動の宝布は動機 。さずら衛村 02 店、たみい用が残店のや動みが曲とれるい用いられ、記 20 特徴とする。 るも宝丸多位否位るする總状対亜宝材は3分数対亜、J位 し。るいフパを敵体策校のめがるを上初を為行五不るよ が世界上ではる乱数値の発生を狙った不正信号に **気耕、スメイト よれし近土【題期るをもられし央領が即発】** [9000]

提供することを目的とする。 多数衣動るちつなよろをも3類はすることができる種技機を 代數対数させくミトもるを定一の動の宝荷は前楼、きて いての副機の代以副機られるい用のあれるを宝舟を位否 **ゆるもも憩状摂動気持、制即発本、ケコチ【7000】** 

海許多とこるも間晴いさよるない宝不やせくミトせるも 疫──3 動気性の気荷や動機されち確更で矧手確更動機用 宝吽の用楼回頭土、え勤まる(等野処の388℃ででス 接回卵上誘拗のイベウミるわよい態状対強気持ていたよ 宝吽の用機回顕土プいてもよい立刻特条の宝而、5(を くぐれのあぶるを放出する人やくそれえ例) 段手辞更動 袋用家件の用袋回別上るで稀更で内囲確削機の宝液を削 茂の用気呼るれるい用3)気呼の幾回顕土静耕の7くでき るいは30激状対数気持 、ひあつ鎖にならつるかち誘拗し 虱の繋びまるで蚤の幾回即上読雑を引くぐその宝術プロ でくる31立気の神条誘拗フィルは31激状対逝宝材、ファあ ア
熱技逝な蛸厄岡帰
が
激壮
対
遊
立
持
な
は
育
方
に
ら
こ
い
き
去
対 強ブンふい立気 中条の 支持 ババネ 表強の 宝 荷 体 告 対 数 30 、お剱技逝るよい即発本【段手のあれるを始弱多醒馬】 [8000]

02 対数玄特、ひあで銷厄畸帰り激状対数玄特な体育ファム 3、香茨取プンススが立刻中条の宝寺、い行多茨敬の宝荷は 苦対数、お勝対数の熱憩のかるよい即発本(6000) °₽₽?

2~4052割え例) るで配帰31646なな3ま不なたく ミトやるを定一ろ動気件の用示表変厄重普や勧焼るれち 帝東7段手帝東前塔用京洋の用示表変に配普 、え勤さら

っても誘蛛を帝夷の前楼の段手帝東前楼用気件ブバでも 4 3/ 動機をいてれち結果3/ 段手動語を一そ値変、3/ 合製 式し田熨体給共代軍、多式し山駒や給共代軍の~数対逝 , れち割ぽや削機の (をくたれのめれるを加出を212 やくさおオま、そくされめのおるを放出を014やくさ 、をくたたのめれるを孤丑を81をくさ 、をくたたのめ 1を生成するためのカウンタ、ランダム5を生成するた ムやくそれえ例) 妈手 液更面 竣用 気性 おび 段手 影 場を一 〒伽変、大散多(MAAT、Tセットは「外別大関) 段手割店 々ーマ値変な銷币はよっるも科界多々ーマオれる劇場は 間限宝液よフノ山やな給料代雷の~数技強【7100】 いまきていてお表面群からも(TO

南陽3/64.6な3/宝不裕やくミトを6を発一も動宝門7 14~8311/XX»~S354~S351) 14°S~11 8224.7X , 7082~40824.7X , 7522 ~ P Z Z S L « L X L L Z S ~ P I Z S L « L X L L 02S~402Sビビデス 、配弧の72IS~42IS てゃそれ、TIIS~4IISでゃそれ、更吸の70I その I Sて で そ スプ か り 3 U 4 つ り 3 M と り 4 し 4 と り 5 し 4 と ら 5 し 4 と 更変動関係るも更変多動関係の勧携の段手帝更動機用玄 はフい用多動機用動膜成ちるを回周回宝液体動機の段手 帝更勤機用玄牌、ひよは、(をくけれのぬ式るで効型を LI を生成するためのカウンタ、またはランダムI3 そくさ 、もくたれのめれるを放出る64をくさ 、もくた たのあれるも初生を82をくそ、そくさたのあれるも初 **业多「Aをくられえ例) 矧手禘更勤竣用動隙所るを禘更** 多前機用動機所の前機の(をくたれのあれるを放出を2 リムをくさわれま、そくされのめれるで気尘をりしんを くそ、そくたたのめれるを無主なるみをくそ、そくたた 多 I Aをくらおえ例) 段手帝更動機用宝牌【8 I 0 0】 が出)ように構成されていてもよい。

き気齢がるよるれち帝更し返で繰びいおり(QIS~8 I Sででそれが、例、間部の余の間部るを要い野処的情 対数、
は前機の(をくぐれのめれるで気型多を 1 4をく それがま、そくせたのめれるを加土を114をくさ、も くたれのめれるを放生を見るともくさ 、そくたれのめれる も加土を8ムをくそ、そくぐれのめれるも加土多りAを くられえ例) 段手帝更勤機用動財団 、し行実多(等28 スペートスとてマネス) 野処略は対数フンカン主発の払情 るで主発30的限家、体段手剛陽敖逝、永勤多(等88リ 【0019】遊技の進行を制御する遊技制御手段(CP よるように構成されていてもよい。

の段手帝更動機用前期はアいるが間部で余【0200】

°いよるフィノンは

°+1292 いてれる放静ぶるよるせる主発を競状技強気持るも配帰 3)銀状の [ 策多置装賞人変厄眠寺> 熱憩の宝寺な味育3) るちてころが苦技動もでよ乳値値的、でよぶ出鈴の(8 4 2器出剱正京計划え例) 段手出剱京寺るを出剱さ料線 

**え例)置装賞人変厄収替 , ブバレムきごとろれたと出勢** 込む製技型でよび(BOSBモベトス□値結割え例)段 手出勢値討される状態の(023置装置人値的おえ例) Lなり、権利発生状態となっている期間中に、始動領域 10 憩状主発所新37升条多くろ式れる出鉢体科製技逝で( B 4 4 6 せくせばえ例、 段手出検呪持かれる 4 5 4 4 4 6 表別領域(例えば特別装置作動領域 5 4 1 0 0 ]

45 C C C で そ た 別 え 例 ) る す 配 帰 ふ け る よ る か ふ 宝 不 か **やくミト々るを定一ろ動宝件の用示表変厄宝件が動機を れち飛更び段手禘更勣竣用宝岬の用示秀変厄宝岬 、糸勸** OE 多5 (86827ペラス3) あるU9つ知え例) 段手 気夾都總示表気性るを玄夾多ろろをも掛總示表の限替 冬果結示表るわは 50倍示表変厄玄畔 、50合斟さし渡一ち 動気性の用示表変に気候な動機される出断、J出断多動 遊の段手帝更動機用玄伴の用示奏変厄玄伴、ブルンとき 31立気科条の気荷、5(をくたれのめれるを放出きs I ムやくそれえ例) 段手帝更前姓用玄吽の用示表変に玄吽 るを飛更づ内囲蹄前後の玄府多前機の用玄畔るけるい用 3) 宝吽の 小否 小る も 示表 多 新 凱 示 表 の 限 群 フ 3) 暗 示 表 変 厄宝牌、ファあび数対数るを彰認31(443)間値計置 のめれるで恵生を見んせてき、そくでれのめれるで加土 05 美限部が利利の例前開展をお果技働が科条をよっかった る 赫銀元表の IR 持 か ける な 立 な り か さ も な 来 結 示 表 る り お习俗示表変厄宝時 、充齢多(212置装示表変厄払え 例) 昭示表変厄宝性な錯厄小変体熱状示表【 ð Í 0 0 】 を発生させるように構成されていてもよい。

CPU56、特化ステップS27, S87, S337) 50 おえ内) 段手式形熱感示秀重智るを気光多ろうるをも熱 憩示表の宝雨多果

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いる

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・ よかし定一も前気性の用示表変に配普や前様がれる出計 、ブィルでもまり立気科条の宝荷、ら(をくぐたのめかる を放出する ムやくぞれ え 例) 段手 禘更 加 塔用 宝 件 の 用 示 表変厄配着るを確更で内囲躍削機の宝液を削機の用家伴 るれるい用の国際の本否本るを示表多熱態示表の宝而フ 图2200、普通電動役物550)と、普通可変表示部に 装和賞人変□ , 6 I 置装和賞人変回 , Ы 於 例 ) 置装賞人 変に重普るも小変が激状な体育ファムが告対強が升条を よるかっなる(歴図の世別え限) 熱憩示表の気液かれる め宝めごかるもが果結示表るわよい暗示表変厄重普 、3 (内) 暗示表変厄重普な銷厄小変多激状示表【3 [00]

\*&をもるとなる。 とるととへ

掛む含まら(。>剁多盤対斑るを近影)品略のヵ酢るれ さいかで加いるれる機構板と、それらに取り付けら

あつ本当群な含まる品語のな軽がれるわけで取り本状球 る。なお、遊枝盤6は、それを構成する板状体と、その いてれるわけの取り消に強蓄はる盤対数、おい面背の 2件扇スさは。るいフパさい鋸はB(てく)類) ハイン ハ乳製粒付るを博発を粒付ら4皿受粒陳余るを留销き粒 以取け。るあなた(皿土)皿給料却ははかる。 打球供 、おリを数数はにそれ、スルをおむい1図【8200】 ふるあつ本意

、「中」、「五」 計え例、お348 日 要表示表変に 。そい 多暗示表変にの残骸るを示表変に多种図のプリム時間限 鑑込れ今れ子、おい込付央中の「炒頭対数【 7 2 0 0 】 °911

I 置装粒賞人変厄。るいフパさい張ぬる I 置装粒賞人変 れる出勢ファよ31 & 4 I モベトス□値計、1A 位彰37面背 の 8盤対数、お知覚人がで入び41口賞人値は。 ふいて 。るあぬ(てじエ示表研図) 昭示表変にのこそのしむ

、3)毎るれち斜開な示表変厄の8圏装示表変に、ブノチ 母るもな覚人健紛校育。るいフれるい號な8 I (。64) **去器示表前語値的 、不以)器示表회語値的所図限許さ** 入質球数すなわち始動記憶数を表示する4つのLEDkc 校序式で入び41口賞人健的、おの暗下の9置装示表変 □、水ま。るいプれるも鑑さAI21ト\√\へいるかる え数でできる器型の内口質人大、よいが面背のる盤対数。を **ホち出勢で 6 2 モットスイン ウ た お 教賞 人 の る ぬ 0 2 殔** 関関 、A5出鉢で22モベトス賞人Vお| 教賞人ぶc人ぶ (炭酸賞人Vのブノム炭酸宝材) 在一さその粧賞人がな する手段である。関閉板20から遊枝盤6の背面に導か 装粒賞人変向るいフパさい鑑べ02 郊間開るパち 5. 熱状 開ファよぶ [ 27 トヘムマブいまぶ (遮状でど大) 遮状 。されちも懇が開プによぶる [ i ト ト / しい 、 お)さ

けなう想状る考う的開き示表変向るす小変体想状示奏フ いおろり 1 器示表所図画普。るれち始開体示奏変厄の示 表の01器示表所図配普、別れもつ部状るもつ的関系示 表変にるも小変体憩状示表フィッよン10 [ 器示表所図重普 、フしろ。るれち出帖や前楼店の宝雨、 おれわない ブ 手32aで検出されると、普通図柄始動記憶が上限に達 ベトスイーゼ**し質人**体税対数312 E イーゼ【6200】 党社するLEDを1減らす。

> 。(8IRでゃたれた例) いしませたちつ るいてれる宝鵄の總比土禁込情が中里処るを審更多前機

誘蛛を確更の動機の段手確更動機用動膜(オンレンと 3.3) **動機をいてれち特界が段手部語を一下値変、30合制がし** Of ち刻雪が割機の(そくやんのめがるを放出をも1.4をく それれま、そくぐたのめれるを放出を114をくそ、も くされのめれるも数土を81年にと、そくされのめか るも効型を8~をくだ、をくせたのめかるも効型をΓ~ やくされた例)段手帝更前姓用前時内おび段手割品を一 〒健変 、 え勤多 (MA A T で、 T せ ぐ バ お え 内 り 段 手 割 店 々ー〒値変な鉛匠はよっるを特界タヤーテオれち劇語は 間限玉布よてし土剤や給井代雷の~數技逝【「200】

含い段手略陽表数、お)(をくぐれのめれるを放立を21 ムヤンされかま、そくたたのめかるで放出を014をく そ、そくけれのめぶるを加土をるよをくそ、そくけれの あれるためのおうンダンラ、ランダムもを生成するため 「ムやくそおえ例) 段手帝更勤機用気は、え勤をく(等 制御を行う発光体制御手段(ランプ制御用CPU351 の(等23でくそれ収却ひよは13でくそ救賞、982 2ててそ前妻、Ⅰ4器示表動活施的所図重普、81器示 表謝垢値的)本光発るいてれるい強い数数数でいたうき 3/7 (マにるれる言義も依段手略制表数、3 (等88世 【0022】 遊技の進行を制御する遊技制御手段(CP 歳頃旧処理)ように構成されていてもよい。

状対数の0 I 2 てでそれおえ例) るあつ鎖にならこるを

いえもプリプルを放射ろしてよるれま含い段 手略時対数、おしゃくされのあれるも効型を21Aやく それがま、そくさたのめがるを放出を014をくさ、た くたれのあれるた気型をるみをくそ、そくたれのあれる も加土を己んをした、そくたれのめかるも加土をしんを くられえ例) 段手帝更動機用宝牌、先勤をと(IOTU Aとした27)の制御を行う音制御手段(音制御用CP 05 371くマにるれる言義の本践手闡制対数、3(等 8 8 U 【0023】遊技の進行を制御する遊技制御手段(CP よれるように構成されていてもよける。

、図面五式れる位面五多数技強にくそいお」「図 。るを即 端フィノて3/気帯の本金の数対弧にくそい野 [ 策るもで例 一の数対逝、でま。さも即説てし照巻を面図を懇洗畝実 [0054]

して開閉自在に設置される前面枠(図示せず)と、機構 50 れば、普通図柄治動記憶の値が1増やされる。普通図柄 校35幹代、お許茨逝。るで許多2幹扇スではおれる気汛 3) 状縁醇をいてれるい鑑い鎖回関開い枠技数 、お [ 勝麸 強にくそい、パま。るれる気料でも特技がよれるわかの 班33鉛 「関盟33側内の科代 、5 (をサ示図) 科代かれる 流訊が状状式の基準、おⅠ数数数にくそい【8200】 。るるで図面五を示き面前の盤対数お12図

し資報ファよびよるるれる人種はオーセドトグリで、パ 

を対点を構
数のをトミダーリドーなるい
プれる
もり
選
い面 夏のるる「口人輔ィーなびよお、るる「口人軒ィーなる ひょ れる人
市 は 154、 記録媒体としてのカードが 挿入 1 でく 5 示表 人数1ーなを示多ろうるいてれる人数が1ーなが内00 イベニエイーは、6.8 1 器示表向式台詩重を示き中のる 4Jでしな状が I 勝技強にくそいの側のみを43な0 8 1 で ニエギーは、「己「てくそ示表の用動を示多体否体るあ **ラ戯状鎖厄用動、払3003イでニエドーな【↑ € 0 0】** 。さいてたち示さの81ペニエリーたるもの鎖巾を

きつ 計開多示表変 (破変) 示表変 に 、休林図収替フィルはコリの置装示表変に、、おれるう意状るも プ於開多示表変向の耐図 、3 るれち出勢 ブ B ♪ I モット ス口値的で人314 I □貫人値的な報酬。各>フです多り 財務対数、釣の子、ひ入のて財務対数フに低るれてし知 。そいてれるや鑑成るる 1 競1 でこ

エドーセのあれるを放解を08イベニエドーセが合則る

貫入V∪貫入ぶ減額貫入Vが栽殻強ぶ中効開の02効関 開、ブンチ。&を放開了まるを賞人が殺託の(間0 [お) え内)茂間宝荷、おれま、フまるも武器間部宝一、やり 2. 支はなす。るで計等3.熱状対数でど大、3.6 あつ (新郷元表宝寺) 所図(ど大なから合み) 路の 耐図 に 寺の胡山尊。各を山尊がきらなし配鉢や間部宝一、お示 表変厄の科図限材をわまみ8置装示表変厄【8800】 。 も今酢 「多楼歌謡徳龄、 あれいなつ懇状る

ちてころの各対数でいる激状変新、されむす。 るなう高 松率新るならび世大37次、、お30合製るあつかけ合も路の (林図変報) 林図で芒大さ判を値変率都がかけ合み服の 。るれち容精(引くやそ BI大量切え例) 

限替な銷店小変の意外な体育ファム37音技動 , な 4 2 置 装粒賞人変に、おう強派の誠実のゴ、はむ【8 € 0 0 】 。そなる意状な体育516

。さあて図面背が見る ・休面異多数対数、お16図。るも即端プリ照参多を図ブい の4 五、882℃にそ4件天、お33周代の下減崩対数。るいプ C3) 査構の面裏の「熱技強にくそい、スパ(6600) 。るで芒肝スを選装賞人変に

そ外天るいフれる付援3/側枠、32℃くそ確装、I 4器 02 ED、 始勤記憶表示器 18 および普通図柄始動記憶表示 ている。さらに、遊技盤6に設けられている各種装飾し ンピュータ等が搭載された私出制御基板37か設置され ている。また、球払出制御を行う払出制御用マイクロコ 等が搭載された遊技制御基板(主基板)3 1 が設置され セートコンにロイトで用商储財政、614ペニエ商時示 「0040]図3は大きなように、<br/>
では、<br/>
ないます。<br/>
では、<br/>
ないまれる。<br/>
では、<br/>
で

るも示表多茂割馬値斜兩図配普、おり新社の01器示表

°242 変向限群、おい合製の子。るちてきょこるを加齢いるよ るも示表変向で置装示表変向のC一多も研図配普も研図 始される毎に、点灯するLEDを1減らす。なお、特別 開心示表変厄の0【器示表科図証書、フし多。も今散【 毎に、普通図柄始動記憶表示器41は点灯するLEDを るあ物質人の~261一や。るいフゖるり鴉冰 [4器示 4つのLE Dによる表示部を有する普通図柄始動記憶表

。るも小変の態状な味する体熱状な味不 プトと2)各技鉱、3)合製るあつ研図で当社研図上専の研 図鉱晋、お窓状の3「置装牧箕人変に、さらなす。るな 05 33激光いを今し賞人体和対強ファな33激光開や35間執家 松果諸元秀の元表変厄るわな301器元表帝図重普。& れち宝好ファよ5/kを水よし渡ー5動宝件で<br />
どの宝液な 動の機店式れる出曲3/もられし賞人が抵抗動3/28イー ンプが点灯すれば当りとなる。当りとするか否かは、ア その側立33部で外の示表変に、フしろ。各を誘蛛(休日 S 払え例)間執宝液却示表変に、A Ct 行体示素変にファ おいろろをではあい正交体(るない鉛値臨財体科図の制 [10030]でくその古立、おう激派の誠実のつ【0600】

か短縮されることによって、遊技者にとってさらに有利 30 (間部爈変) 間既示表変厄るわはこり [ 器示表科図配普 、おう意状の宝雨の等意状変動、オキ。るながほずがる ちファム37者対数、14る6高や大灰われまさ一のさその と送回放開と間部放開の己 「置装稅資人変厄 、こりきょく るれる体高な率がるない。因例になる確率が高められるので 「器示表醂図画普、おう意状変鞘、ひるち【「EOO】

よび装飾用LEDは、遊技機に設けられている装飾発光 か28a、左枠ランプ28bもよび右枠方ンプ28cも 等)の周囲には装飾しEDが設置されている。天枠ラン 口貫人大) 枕沓斠各るわおいて刺剤技強、こりるち。る いてれるり態はっ8~でくそ外古むよみ18~でくそ件 れるい窓は7.2たーゴスのC2るも発き音果胶、おJ3V語 土市立の側代の下麸頭対数、おま。るもはる2口1や下 るで外辺多粒形式で体むし賞人 、お35路下 、れる村鑑体 となる。 となるでは、 を表している。 をましている。 をもしている。 をもして。 をもして。 をもしている。 をもしている。 の「刺頭対動。されち出勢ファよびBQE、BEE、B O E , B C S モビトス口賞人介予付予 , お)賞人の~ E 8,08,62□賞人の叔敖逝、亦る村霑休68,88 、0 6 、6 2□貫人の茂財、より3/3 6 盤技逝 【 2 6 0 0 】 いれるようこうくれるから

たときに点打する球切れランプ52が設けられている。 が改分方式、補給本が切れ、 有能体が切れ I るてくそ和賞るもは点ぶきらる本体機製和賞、ご新社 (0033)そして、この例では、左枠ランプ28bの (本の一例である。

53からの指令に従って駆動するソレノイド回路59と の経路を切り換えるためのソレノイド21 Aを基本回路 内口覚人大びよは [ 2 7 ト / しょく 根関多 0 2 疎間関 、313トヘコいるを関開多31置葵粒莨人変に、18 3 対回キャトスる えきコ E る 対回本基を与言の B 体 I S Bモットスてリセひよみ I O E モットスインや仕税資 、781モビトス内砂粒、84モビトスンを齢、B88 , B & & , B O & , B O S モベトス口賞人 , & S S モベト スインウセ 、22チャトス賞人V、BPIキャトス口値 於、B26モベトスイーヤ、366器回本基6を開降を 「勝技強にくそバファがコムとピロで、おコリ [ 8 強基主 検発、07 动基略储音、38 効基略储でくそ、78 効基

**よっるもで例─の段手出剣本製技強がモベトス、さけな** を、よういよるで等のあるいてれる称とやくかめのある いつれちおろそでトス。いなけ間を称をのろ、おれあつ ( 段手出剣和対数が5例の3) 段手出剣和製対数るもう 出鉢多板技強、されなす。いえもうのさるいフパち称う サンサ、おきゃトスの等AIOEモットスインやな報賞 ,781キベトスパ砂殻 ,8hキベトスくを鷸 ,B88 , B E E , B O E , B O S モゼトス口賞人 , E S モゼト スインウセ、SSモベトス賞人V、B Þ I モベトス口値 路53に伝達される。また、ゲートスイッチ32a、始 くでた、ないないてたる示いのを図、なな【8400】 か搭載されている。

ち雄苔が4 8 路回代出解散るを代出てし校3/置装幣代の 等を一ようくにバーホ多号部代出時間の等時間変難を示 多くコオン土や健変率新、発育値前校育を示多機断の報 賞人健的式は各用体の計開示表変にの研図るわまが 8置 セーマるれる天社る体をる路回本基、オギ【アトロの】 。るもう耕同さう意法の新実の助 、お

OM54おびI/OボーボO/I ひよみをBMO A、シよわれいフルを満内やG B M A R きょうなや、お セーエコンロロイトマア・モI、おお 。そもフセーエコ いる。すなわち、CPU56は、1チップマイクロコン 40 は、ROM54, RAM55はCPU56に内蔵されて **ゔ盥汎の耐実のゴ。む含♪Γ 3暗 1 − 取 0 / Ⅰ ひよは 3** AM55、プログラムに従って制御動作を行うCPU5 Rのブノム (段手るを割信多々一下値変) 段手割信るれ を用動プリンリチャイーワ、4 GMOAをも割品を等ん そんロでの用酚はムーヤ、お16 3 路回本基【8 400】 °をける4

MAR、お間膜寅夜、きてし上身や鈴典大雷るで対する 職に出ま、北には、攻はな、きなっ図ででロアを示る時 対数、さななを。るあでMAACでてででいるいろいてれる て、ててんいハフトル部雷て、てんいいるれる別引フいる もよい。) 550一部または全部が、電源基板910に Tody J また、RAM (CPU内蔵RAMであって パルをフィノフなる類内

- (0045) 図4は、主基板31における回路構成の-

み基瞬間は発や010効基配置がたまが高いで発動制御基板 OA' DC51A' DC15A\$PCDC2A系性賦本 音制御基板70も設けられている。また、また、DC3 式れる雄群が段手略陽音るを略陽を坐発音のるかりなれ ーコス、3 6 改基略時でくそれれを薄替が段手略時でく そるも畸時状点多23℃くそれ砂粒ひよは13℃くそ粧 頁、5827464古、4827464五、88274

林↑8盤千齢時前が充削多千齢各のあれるを代出が暗代 数対数多辨骨動各のるは「8 改基主 、おい込付央中、六 ま。るいろれる村鋸冰千淵用し貧粒の後れるを休出暗 代多号割竣勘し資本ひよは千歳用救資のあれるを代出路 代多号割竣勘報賞、千齢用れ収粧のぬれるを代出暗代ブ し人尊多代出のモモトス出勢れ成却、きょうな心、おび OI セミータパえ勤多千齢各のあれるすけ出い暗や数対強を 解育動各、おいれて、上方には、各種情報 3 1 放設けられている。

921と、主基板31等の他の基板と接続されるコキウ チャトスている、よりつ1061か基モャトス。るいてれる 付据は001 M基モベトス式れる雄沓はI20モベトス ていそのフノン母手計製のあれるセマリセタを一下でゃ てセッパれる謝馬3)(MAAでゃてセッパさけおす段 手割語を一そ値変な鉛面割界多容内の多もの制止剤給料 02 (大事、おえ内) 段手 おお客内 前 ほる れま 含 3 (等 7 8 み 【0042】名らに、各基板(主基板31や払出制御基 。るいてれる置鋸

**税対強プリ状が数対強る体静熱徐輔をいてれるれ場の息** 置張數対数、よるを戌鉢多虽不の粒対数が781キット ス出鉄れ砂球。るいてれるや鶏の(最階をも鉄武の86 **せてを留領) 代語添土 るわま コルーノ 夢蕎き 7 8 「 モ**ゃ 留領 、なるあつモットスるも出勢多無許の殺技強の内路 **亜坂技動お781キットスパ砂粒。&を上事体計應出基** の置装出述却、よるも出動を外限がなり81キットスオ **砂類。るいフパさり鑑成781キャトスパ砂粒のフノム** 草糖却板技強力186位と留領「6400] 。るいフれるり鑑成228を

発射装置の駆動も停止する。 の回転が停止して球払出装置の動作が停止するとともに を一手出述の内置残出述規、割う感状の子。るすぐも位 (もサ示図フィルはコルを図) 8 4 モットスンを構 、 よるれ ち出い上がな対対数31さる。 るれか暮514 血受救陳余却救 表述、よるれる出い。は、独教教動のるち、でない神論なら 質粒や粧麸強のアノム品景〉でくるの賞人【りり0】 。それな行われる。

2 に表示するための画像データを生成し、R, G, B信 す。VDP103は、A力したデータに従ってLCD8 出名語タセーマが要込るなるBMORをセミャキ、お そのI 4 G V あるえき 3 C O I 4 G V M P I O 3 に与える。 V D P I O 3 に与える。 くマに略陽示表 、おび的科具 。それ多略陽示表の面画る した表示表3128日01、フト新317くマに略鳴示表かし 。されるも鑑めイーホO\I 、54間

回路105A, 105Bと表示制御用CPU101との 40 マワベバ代人、おいら母はいないてし類内多イーホ〇\ I 用することができる。なお、表示制御用CPUIOIが えば汎用ICである了4HC540, 74HC14を使 两、ブンン名るOI、A己OI路回マてゃか代人。るす 副受多礼(マに瞰陽元表プJ介多A 2 0 1 路回マてゃれ 代人、Jるれる代人体导計TNIプン介含B201路回 ゃてゃれれんむよお701をれょてストへる��18 莎基 E 、J引機ファガンストアロアスは各種的では、正式は、大型には、 【0053】表示制御用CPU101は、制御データR 。るれる代出体(导計TNI) 导計て一口1

スのイベン「おるべの「さイーホ代出、れる代出がを一 そのイベン8割る休と73(21~お代出)イーお代出 。さる7図4~ロとも示わるようAS8 ,028路回っ てゃれ代出むよは276,078(2,01一市) イー 示表晶所) U ⊃ J & & 5 内界実一の 6 置装示表変に 、多 【0052】図5は、図柄制御基板80内の回路構成 よははポップでもかりる。

雨崎元秀さいて八き猿替308を基本時間で、大田崎元 02 秀の01器示表科図証書るを示表変に多种図証普びよは 体でもよい。すなわち、ランプやLEDは発光体の一例 の実施の形態で用いられているLEDも他の種類の発光 めるよる感染の効果のコ、> よるでお光条の酸酸のめの 切れランプ52の表示制御を行う。各ランプはLEDそ 類ひよは [ 3℃くそ殺責 、5 8 2℃くそ枠古 、d 8 2℃ くそ姓立、B82でくそ姓天るいてれるも場に別側枠、51 きょうで行る関係示表のさってくら過去びよむ [ 4器示 表割sfi健時科図配普、81器示表割sfi健的るいてれるや 板35に搭載されているらンプ制御手段が、遊技盤に設 10 基略時でくそ、おう意味の故実のコ、おな【 [ 600]

**小ち略帰ぶるよるれち快発が殺[tケ) 痩転がいふぶ量利漿** も、発射制御基板91上の回路によって、操作ノブ5の は、操作ノブ5の操作量に従って調整される。すなわ たしずのかりゃーチ値球、ブンチ。それら値球でかりゃり 発射制御基板91上の回路によって制御される駆動モー お置装棟発和付るをは乗ブノ撃付き和対数【0800】 55の一部または全部の内容は保存される。

ST

号および同期信号をLCD82に出力する。

【0022】なお、図5には、VDP103をリセット 50 28 c、発飾ランプ25の点式/消灯パターンに従っ てくそ姓古、482てくそ姓五、882てくそ姓天るい Jよる養宝プンプスパイマに配信各、お166以下で高されて 配属とくそ、プロはひとを基準関係とくそ【0000】 。それる特殊は1~ホロ\ 1 、53間の

回盟355A, 355Bとランプ制御用CPU351と マワベハ代人、おい合品いないプリ満内多イーホO\I 351に入力する。なお、5つプ制御用CPU351が ト回路355A, 355Bを介してランア制御用CPU たいて、ままあ31からの制御コマンドは、人力バッフ とかものINT信号を出力する。ランフ制御基板35に 3は8ピットのデータを出力し、出力ポート570は1 てる(6イーホ代出)イーホ代出。るれる代出る体を下 る、073(8、04一次代出) イー次代出の73階イ ンプ制御コマンドは、基本回路53におけるI/Oボー そるも関い略同でくそ、からよを示いる図【6600】 板35に出力される。

基岡晴てくそる休1を改基主きドくアに岡晴でくそを示 多機副TA点の I 4器示表 割 品値 的 附 図 配 普 ひ よ は 8 「 器 示表剖写値段、パま。るれる代出3/8 6 改基陶陽てくそ 30 灯/消灯とを示するンプ制御コマンドが主基板3 1から 点の28でくそれ内球ひよは18でくそ報賞、5以前へ ひこと、遊技盤に設けられている装飾ランプ25の点切 2てくそ姓古、d82てくそ姓五、b82てくそ姓天& いフパらい鎧の側代のて敖朝女強、おう邀派の敵実のコ 。るもで図せ、ロても示多代略割受送导割るわながる。 ○ 058 図6は、主基板31およびランプ制御基板 81782H

鑑多をイイト Cズトへきが順代出のAS8,0 2 8 路回マ ら、その影響は除去される。また、主基板31のバッフ フリシオで乗ねストトラ間球基31十くマに配储示表、フ でよろが子のでの「それトワストノ、沈るれる用動体 スーソイトモェてのせくそくに子器を別え内, ブしょり 0 [ セルトペストへるを袖逝を号割数周高【 7 6 0 0】

おうるものではからはいる。または、これにいるとしば、これにいるともは、 登校五不、きてれる太mな音が五不5的回の内08 速基 南嶋帝図。るを気動を段手代人辞費封並而不ぶる」1~ おた、大力パッファ回路105A、105Bは、入力ポ 0側から主基板31側に信号が伝わる条地はない。すな 号を通過させることができる。従って、図柄制御基板8 【0056】入力バッファ回路105A、105Bは、 。6.各でとなるる。

なる心等号話おうしも釆図、字文、おおま、砂値、砂人 高い画像データとは、例えば、してD82に表示される の複雑用動るれる解酔3188MOAをセミャキ。るいフ い面像データを格納するキャラクタROM86も示され するためのりセット回路83、VDP103に動作り口

9T

3/側代出のA 7 8 ,0 2 8 路回ママベバ , おお 。 るきつ 02 てくそ各 , 社 (つのるれち行実つ野処衛時麸逝るれち行 実37年8m25/64) るで既同ろ既周禘更の動インやた のをくぐれのあれるも加土を機店用気件各るよろり到手崎 **婦技強、おけくミトを出送の7つマロ商師でしそるれち** 。いよるて付張るをハトてストしが剛

大出のAEO、028路回々てゃパ、おな。る考づ込と **うすうない実勤ぶらち多くトそ号割るも位性鎖向るれる** ので、ランプ制御基板70から主基板31に信号が与え るれる11月14号引るれる代人57倍内の I E 財基主合本語 鑑多をイイトCXト/CX側CYのBBOL、ABOT器回 04 代 気はよび病難なそよのつ。るれる心用はか!OHb えば、汎用のCMOS-ICである74HC250,7 例、ブノムA R 8 , 0 2 8 路回マイゼバ 。 るいブれるせ 窓はAE8,028路回ャペゼバス順代のET8,07 31~水代出、ブルおり」に効基主、パま【1800】 いりよるこれ鑑多をパトクスト

> くが側れ人の目るると、Aるるを路回ゃてゃかれ人、は れる信号がメイン基板3 1 側に伝わることはない。な され出ファルンが近が五不、よっれるえばなが近不不が路 回の内るを効基的間でくそ、えられ。いかれ触条をは引 って、ランブ制御基板35側から主基板31側に信号が 30 る。 が。るちつなよろるせち断重多导
> 引みの30向
> たそな向へ 5 A、355 Bは、主基板31からランプ制御基板35 O, 74HC14が用いられる。入力バッファ回路35 て、例えば、汎用のCMOS-ICである74HC54 J58366, A336路回ゃてゃれ代人【8300】 °Ç

を代出る号引び消入で点ブン(核ス) [ 4 器示表創語値台 **帯図証普びよは8Ⅰ器示表謝語値拾了ご点3/1~ぐに邸** (0005) 25に、ランプ制御用CPU351は、制 1の内蔵ROMまたは外付けROMに記憶されている。 なお、点灯/消灯パターンは、ランプ制御用CPU35 るとでも1および球切れらいで52を点灯/消灯する。 な質、ブンカンドくマに配制のされる、お1650円の 用陶晴てくそ。 るを代入り1650年の開闢情でくそフ つたまるると、Aるるを器回ててゃれた人、おりしゃ に略陽各、ブいおろりと 改基略陽でくそ。 るを代出るド くなると球切れるとかっているとの点付き者示する制御コマン なし出動多級対数な(顕参を図) 「81モットスパ砂粒 るいてれる置端り添土の路面和出北の面裏盤対逝れし近 01 頃、J代出を1くマに瞬睛るを示計を以点の18でくそ 【0061】主基板31において、CPU56は、RA

°ይ‹ነ U351の内蔵ROMまたは外付けROMに記憶されて れる。なお、点灯/消灯パターンは、ランフ制御用CP 3.28 b、右枠5ンプ28 c、装飾子ンプ2 5 5 C出力3 2 5 C出力3 2 5 C出力3 2 5 Cに合格表 , □ 8 2 でしそ枠市 , □ 8 2 で くで幹式 、B82てくで幹天 、お号副ひ前入ひ点 。るを 大出多号引入前入以点プン校3/3 Sでてそ前装、582 てくて姓古、d82でくて姓立、B82でくと姓天、ブ

休よっもうない実飾いるち多くトラ目高るなな対緒向る ので、音制御基板70から主基板31に信号が与えられ るれる山即心与高るれる代人が路内の [ 6 郊基主る心路 4日C14が用いられる。このような構成によれば、外 えば、汎用のCMOS-ICである74HC250,7 例、フリンA F B はられていて、らいてれるわ 鋸はAT8,028路回ャヒゃバン1側代のFT己,0F 31~氷六出、ブいおい【を強基主、六者【0700】 いてもよい。

マてゃれ代人、おお。いなおらことはかり。 なお、人力がッファ 込みがあるれる代出ファよい登返五不、<br />
きったらえが改造<br />
できるれる代出ファルタが<br />
が一手が<br />
が一手が<br />
が一手が<br />
が一手が<br />
が一手が<br />
が一手が<br />
できる<br / て、音制御基板70側から主基板31側に信号が伝わる c å。 る き う が よ つ る せ ち 風 重 多 号 哥 み の 习 向 亢 で か

O 7 はHC14が用いられる。入力バッファ回路70 て、例えば、汎用のCMOS-ICである了4HC54 【0069】入力パッファ回路705A, 705Bとし

を代出る1724ー38条子と121日路704路回路704に出力を121日路回路704日路回路20日間により12日間によります。 動性量音。&を代出31407路回動性量音でしるれた~ オンカス量音さいて
れる気候、多い~4代出の I 0 7 U 031c出力する。音量切替回路7031は、音制御用CP ッサによる音声合成回路702は、音制御用CPU70 サロビバナゼぐれをでトでおえ間、フンチ[800] °Ç4

各制御用CPU701との間に、I/Oボートが設けら よるので、ABOで路回ママゼバ代人、おりららはいな いてし類内タイーホO\IかIOTUGO開酵時音、お ひ5Bを介して音制御用CPU701に入力する。な て、A 3 0 7 路回マCゼバ代人、知号副各のる本1 8 速 基主、プロお310 「対基略储备。 されされ出な号割TN Iのイベン「おる休のトライーホ代出、休ち代出なを一 そのイベン8割る休みてる(4イーホ代出)イーホ代出 。るれされ出る体を下る、0 7 8 (4,0 1 一本九出) イーホ代出の 7 る暗イーホ〇\ 1 るわおぶ 8 る路回本 基 、おけくマに商储者、これもよを示いて図【7800】 3. あら音制御基板7.0 に出力される。

を強基主、なってマに配储者のあれるを示計多代出音の して、遊技領域7の外側に設けられているスピーカ27 ふふ行動対数、おう態洗の敵実のこ。るあう図々でロケ を示る例気料の0 7 改基略储备び 3 4 4 4 4 倍間 当 5 号 目 の 7 よりなり既

同わら関語帝更の動インでれのをくでれのめぶるを効型 多機店用家件各、プの&を主介体間制野吸の I B E U 9 ・LEDの点灯/消灯のタイミンがは、ランプ制御用C

8T

OT

セッパ 、おう想派の動実のコ、みな。るれち人軒は 「I 9 オーセトダの用土対流並、辺間のよくトラソる+でで マウアップ電源となる。また、+5Vラインとバッウア バるを給出る代雷がそれるもつ特別を競児歌謡てし校が (段手創語でで下せゃれるそびなる意外特別容内創語を 3) 結上引給サ代雷されなもMARるらってれるででアクセ

でしての電源監視用10902が搭載されている。電源 路回財盪敵雷、おの16球基敵雷、オま【8700】 。るれち斜掛317 アップ用の+5 Vは、主基板3 1 および払出制御基板3

902からの電源断信号は、主基板31や払出制御基板 後の電圧であるVSLが用いられている。電源監視用IC 直式れる教変が新直る体節交 、おろ門のつ。いしま様体 返電圧(この例では+5V)よりも高い電圧であること 軍の千条路回るいプパを雄群3)承基崎陽品階浸雷各、対 王雷敵軍の桑校財盪、おな。さを代出る号言補敵軍フ 22 V)以下になったら、電力供給の停止が生ずるとし 出する。具体的には、VSL電圧が所定値(Cの例では+ ♦冬世兵の山南鉛井代雷の~數技逝ファよ21と36を財 監視用IC902は、VSL電圧を導入し、VSL電圧を監

の電圧を監視するように構成されているので、 CPUが 等の回路素子を駆動するための電圧(この例では+5 の電圧である。また、電源監視用 1 C 9 O 2 か、 C P U 重気部品制御基板上のCPUが暫くの間動作し
うる程度 各、ない到でも王軍の部常証、お動宝液のあれるを成分 【0077】電源監視用10902が電力供給の停止を 37等に供給される。

すると、+30V作成の以降に作られる+12Vが落ち 止も期待できる。すなわち、+307電源の電圧を監視 初の出対語へ卞モットスの初湘翔歌雷、さなよコるもつ VSI+祐王雷るれる舒丹のモベトス暦各の勢対強、お 記録電圧としてVSL(+30V)を用いる場合に る。 みきつなくこく 計多財盪な密替のよ 、ファが る きつなよっるわれる田離財盟丁し校の王雷るする要必

なし出勢多代出そでトスプで人习認状のさ奇更回絡判代 雷31前るも呈多激光く卡込代出モットス 、おれも鑑鴎多 小事の給出で電力は置き正常を開いて電力供給の停止 く低下する+30 √電源電圧を監視して電力性給の停止 早のより21+、沈るなろいでよるを呈き窓状へをな代出 モットスムるを下型が迅雷の敵雷VSI+【8700】 。るちつ出対る不到のれ子で割別の前以る体的

数、 きっている瞬間日取るで函数体現手瞬時品階浸電各 るわないみ基本時品品語浸露各、うのいよれれいつれるわ 各でも要込を与言他歌事。<br />
あることができる。<br />
電源断信号を必要とする で、電源監視回路から複数の電気部品制御基板に電源断で、 のるいプパを旋替ろ1016効基敵軍の間におう効基時間 品略浸露 、お20601用財盪敵雷、みま【6700】 。るきでなることなる懇様の

ときの電気部品制御基板のパックR A M (電源パ 50 技機のコストはおほど上昇しない。 式し山駒体給共大罪るで校SI
数技趣、お1819やCマン に。るいフパも熱鉄は819サンテンにの量容大払3周 のろれブリナスセミケスストライントレベントしん を放送さくととVS+てゃてもゃパフン動会却ぐトモ [0012]DC-DCIN/4-\$613\$PQ+2A 。さいてれるや鑑い点校財基職帰品

> るよろにしてもよい。また、図8には1つのコネカラ を辞书を刊寄名る至い改基のパぞれそいをち介を改基数 中、64019対基本ではできた。中、64019が基本では、10から、中、64019対象を表現である。 岡陽品昭浸露各21016 建基弧窟、J353【1100】 基板および機構部品に必要な電圧の電力が供給される。 瞬隔品略浸露各る低速基盤中、 はち誘致の速基盤中划え 電圧は、比較的緩やかに低下する。コネケタり15は例 ☆正したときに、+30√、+12√、+5∨等の直流 体給共大軍るで校3/數技強のる体語代 、ファ並 。るいフ **すち誘
> 妻が € 2 9 せく テく に の 量容 大 的 竦 北 、 より 3) 順 大** 人のころもの1を一がくに。るを代出かる16をそれに ユリ初土ダV8+ひよおVSI+ 、VIS+ブいてらき C922 (図8では1つのみを示す。)を有し、VSLに 30 Cコンバータ913は、1つまたは複数のコンバータ1 15に出力される。また、整流回路912は、AC24 日を24Vに変換する。AC24V電圧は、コネクタ9 って生成される。V SLは、ソレノイド駆動電源となる。 おいて、整流素子でAC24Vを整流昇圧することによ フル2 [ 6路回流盤、オルコヒン 、タネス。。゚ゟれゟ雷売る休ぐト C+5Vすなわち各基板上の1C等を駆動する電源のラ 20 ①、お1019センテンにるなる段手特別動語されなす歌 リセよびDC+5Vを生成する。また、バックアップ電  $\Lambda'$   $\Lambda^{2\Gamma}$  (DC+30 $\Lambda$ )' DC+51 $\Lambda'$  DC+15 部品が使用する電圧を生成する。この例では、AC24 **精勝ひよは丞基町帰品陪戻軍各の内勝対逝、れち置張フ** ひ立式と対式は制御基板37等の電気部品間の基本と独立し、 特制御基板60、音制御基板70、ランプ制御基板35 プロック図である。電源基板910は、主基板31、図 を示る内放射―の018効基脳雷、お8図【2700】

売出る機店用気件各、プのるでお介は間部野処のⅠ0万 からの音発生/音停止のタイミンがは、音制御用CPU 72ペーコス、次(プロるれち計実で更処商制対数るれ ST/美3/毎8 m 2 5/6 5 b の動する でたのをくぐたののかるで和主教後は用宝牌各るより段 手爾陽対数、おりくことを出送のうくでに爾陽音される 

し映同おら既周帝更の動すくでれのをくでれのぬれるす

°(1)\*

そく。るいフパ語内をになる。 るいフパ語内をになる。 るいフパ語内をはないます。 るいフリ語の表現の形式の形式、 のののの表にいては、 ののの表にいては、 ののでは、 のでは、 ので

> する (ステップS 6)。 【0085】この実施の形態で用いられるCPU56 は、1/Oポート(P10) およびよイアトかりンタ回

確認することができる。 (0082]CPU56等の駆動電源である+5V電源から電力が作されていない間、RAMの少なくとも一部は、電源基地から供給されるバッケアップ電面によっていっケップされ、避技機に対する電力供給が停止している方、CPU56は、通常の動作状態に復帰する。そ、シス・ストリセット回路65からいよって言号が発せられ、企動なデータがバッケア・プアップRAMに復帰する。そのと、必要なデータがバッケア・プロ路65からがRAMに保存されているので、停電等からの復旧時に停電等の発生時の避技

正で表れらせてもより。 (0081)電源基板910の電源監視回路(電源監視手段)からの電源断信号は、主基板31において、CPU56は、マスケ不能割込(NN1端子)に接続されている。従って、CPU56は、マスケ不能割込(NM1)処理によって遊技機への電力供給の停止の発生を

[0080]なお、図8にあされた構成では、電應監視 | 10080]なお、図8によるれた特別では、パッフッ回路918, 919を介してそれぞれの電気部品制御基板の(例えば主基板31と払出制御基板37とに出力される電源断信号にして高いででは、2かいか、回路を設けてもよい。さらに、主基板31と払出制御基板37とに出力される電源断信号について、ない、フッロ路を設けてもよい。さらに、主基板31と払出制御基板37とに出力される電源断信号について、ない、ファロ路を設けてもよい。

**T.7** 

。るを秘意多(意状に木) しなで

【009】】バックアップありを確認したら、CPU5

へ参! 1~本代人、知る己U9)、プッ次[8800] 憲状の号部出の日20キャトスマリセるおち代人プリ いおが窓節の子。(TSてゃそス)を予認額やが回[き 関内の常証、知る己U9)、おが合製がし出め多く下フ

を対している。なな、なか、るいではお無いな場合を ると、CPU56は、自動的に割込禁止状態に設定する ーサンけでをたる容内のをくけれムデビロで、ごはらよ

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。それち宝媛

°ኞፋራ

ろれち出め盤が野功るす芒緒ブでおびじそへたオロア科 50 野政帝直接店用示表、プ単処マトト、よるを下宗や(5 【2~1【2てゃそれ) 行実の野処外関係【3600】 。るれち宝鑑31(々スで4機玄間

> 耕)を入びくの宝布な動るを当時512m2フしょ動膜味 ,さけなす。(3ISTゃぞス) るれは示仏宝盤のもス かかるようにCPU56に設けられているCTCのレジ な公階マトを30治限宝30年8ms、ブンチ【4600】 。るあे、等がある。

> 7.52の消灯を指示するコマンド(ランプ制御基板3.5

。(838,438~~そス)そ行を の 岡﨑兩図)1~~にを示多兩図膜収を水を示表318置装 示表変向 , フリムドくマに小関内 。(4 I S て e そ X) るす行実多更処るも割送の速基でも各多さくでに小規 御基板70、図柄制御基板80)を初期化するための初 3)。また、他のサブ基板(ランプ制御基板35、音制 ISてゃそろ) そ行多更処るを含数ブン校317 8 疎 基略は出述多うくマに気能激状に揺出述るを示計をもつ 2)。 さらに、球払出装置97からの払出が可能である。(2 I Sてでそれ) そ計多野処玄鑑減酚業引るも玄鑑多動 **期低31(そそでのあれて計多野吸31的界盤 フリ 点31 意状** 。(ISSてゃぞス:野処モゃ 08 岡陽となせそに山引出は、せそに小砂財、せそに中級賞 たいて、よいしてスフラグ、北出コマンド格納ポインタ、 , てでい、研図市中古研図県寺 , ててでい、用宝牌研図画 普、をくぐれ透店用気件所図配着、おえ例)対影業計の 京府、パま。(「「STゃぞス) 6行多野処ているMA 【0093】初期化処理では、CPU56は、まず、R

。るないところれる熱熱る心態状の前部 **山南給井代雷、お動イくでなのなくでたのあれるを放土** 多機店用面開研びよる機店用示表、機店用宝牌るで近多 、別え阿、別れを日敷や給地代電31内(間膜鎖に結果を の終れれる晃体動プ系越多動大量)動機队の動インで OS 一マのMAAでペアペペパ)間割宝液終げし土身体鉄地 大軍の~数技強、 るなもっるいったも有果がMAAYでで て でいな (を くけれの めれる を 丸 土 多 機 店 各 制 え 例 ) を一下動各、C、な、なる元數33數状の前部山南給掛け ドレスに復帰する。遊技状態復旧処理においてPCが電 てのろ、れち宝塊の1つ9位前逝逝の(をくけれムミゼロ て、ハックアップRAM領域に保存されていたPC(プ J予。(0 I Sて « 〒 X ) ← 計多 更 処 目 財 謝 財 対 強 の ぬ **福戻事の等段手邸帰示秀」懇太昭内の段手廊帰対**並、お 【0002】チェック結果が正常であれば、CPU56 10 。るを行実を野処外

大雷多憩状暗内、おろら斟むでよの子。 るを刺意をとつ るいファお異ならを一下の胡山南給井代雷、なを一下の 東部MARででてんぐバ、おうこうにしょいがで常玉込果 か結果(比較結果)は正常(一致)になる。チェック結 でエモ、されるあつをおるいてれる存界お々ーテの対説 Lが生じた後に復旧した場合には、バックアップRAM

図配普のあれるで略帰で判測の宝液多態状示表の0 [器 示表兩図重普 、おう野吸スサロで兩図重普。( 「 2 2 ℃ でそれ) も行き更吸れませて耐図配替、対象。される様 更3)中野処各フン点3)態状技強、お前のせそてスサロて ど続っておりであるための特別のあっていません。 

**野吸るを飛更多動すべたれのをくたれのめれるを効型を** CPU56は、さらに、表示用乱数および初期値用乱数 。(6.22とてペネス) そ計多型処各を確更多動 1くせん のをくされ各のあれるも効型多様活用気件各の等機店の 用宝牌の芒大を作るい用い略陽対数 、37次【8600】 。(222とでそれ: 野吸ーさエ)

商はスサロで帝國限計。(322ででそれ)で計多野処

【0100】を5に、CPU56は、特別図柄プロセス

るれる母系が辟智むるな要心でい点が果酔の多、れた れている自己診断機能によって種々の異常診断処理が行 るえ勘が暗内の「熱対斑にくそい、づい水【8600】

トス) そ行き宝牌競状のされる、J代人を导言出鉄のモ 貫入ひよみを2キャトスインウセ、841キャトス口値 於、BSEモベトスイーや、プン介を8 B路回モベトス 行する。遊技制御処理において、CPU56は、まず、 実多野処略陽敖勤のSE2~1 S2てでそれを示い01 図、影力で計多(022ででそれ) 野処強壓のセスジン 【000L】タイや割込が発生すると、CPU56は、 。さなう竣店のめれるで宝英多 (動

たの等(をくぐた主発機店用気件でど大)をくぐたのめ **さいまたる機能のあれるで気が多め否めるでものど大** 研処理とは、初期値用乱数を発生するためのカウンタの 更強店用前期所、パネ。るあつ野処るを罹更き動インや なのをくされのあれるを主発を強店用示表 、おら野政帝 更強店用示表 、ひあう機店のあれるを宝好多等所図るれ ち示表318置装示表変に、お13機店用示表【8800】 。 るれる五ल はころできりてひ 単位 青木

い前インウは、パキ行実が野処帝東遊話で野処公階に出 な込情マト々2m2るを近影33中最るいプれち訂実効野 **政帝更凌店のされそ、ケのさいファホンが歌火山禁込膺払** 3) 考しるれる計実体野処罹夷機品用動関所でよる野処罹 更遂店用示表。(QISてゃそス) るれちと激状に結び 博っるを下郊は計実の野処帝更強店用前期ばひよお野処 帝東凌店用示秀 、(812てゃそス) れると郷状山禁込 博おびきょるれる計実体更級で重要が開助期間であると 処帯更遂店用示表。るれる計実し返び繋込(8 I 2℃ € テス) <u>
野処務更残店用動関(は</u>ひよは(「L 2 て e そ X )

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店各の宝布のきとかしてもならり「キャトス口値的、お 野処鴎鄞岻重モベトス口値的、パま 。るれち宝丸315つ るい用きベーゼハガれち解説が間部健変プしらベーゼハ 変新、動大量の歕瑶健龄や焼敷瑶健的おび(麹状常)) 短視タイマの値が0になっていて、かつ、低確率状態 備変 、おえ内 、ブバおい (IOESででそれ) 野処宝牌 ひ世大帝図収替るで近後、プレチ。るもつ野処るで草滅 多マトを解放便変るいてれるり強強問れしふ核が嫌大量

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。るれた行効型処なさよの下 何、プロ話の60ES~00ESででそれ【8010】 & あるで野域をする処理である。

テス、別れれな了0な機動に使動、し臨勤を機動に値的 : (0052てでそれ) 野政常畝帝図収替【6010】

サンS301に移行するように特別図柄プロセスコロッ

、果諸の1てぐ。るも1てぐ多容内の等7てゃれるも解 科多機店動各式作を敷5535も式で & 改賞人 値段: (I O E S て で そ ス ) 野 処 気 阵 で 世 大 林 図 眠 詩 【 O I I O 】 。るも更変多動の

一の容内の々てゃい、ふるち。るをイャサをせそての芒 大、おぶ合脚式し気形式もろるをものど大、ブレチ。る あつ容内式い点の質人値的式ひ並が前き量、お容内の れている。また、シフトによって押し出されたバッファ ち意用い35姓大量蛸厄割馬の貫人値台、おってe?/、st な。&を玄永314つ&をもくの世大31合製かし産ーも(動 気件(2世大) 動の気荷な動の残店用気件(2世大るを) C一の容内のマてゃ?/ 、おいが内料具 。るを宝戎多d否d るもちの世大プいてもあるな内のマクセバガれる出し時 02

OE2ででそれ) 野処玄號ベーをい値変【2IIO】 。 るも更変多面のせそとスタロで 帝國昭 許 か きょう と を計移316062ででそス , ブリチ 。るを宝光多醂図土 朝の帝図中古立るあつ果辞示表るいなの 9 置装示表変向 : (2052にベネス) 野吸宝蟾科図山刳【III0】 **6** 专更

変き面のせそにスタロで所図限許いさよるも行移い20

:(1088℃でで入)野処値変所図収替【8110】 。るで更変多面のセミススタロで帝図限許316よ るも計移ぶり082ででそれ、影の子。さも代出てし校 37等08放基電場所図多りくてに電場のあれるも成面を 等研図11引ひ 1はくーを / 値変 かれ 5 宝 が、 プリチ 。 る Ob **专宝好多(** ( 、一を / ) 示素変 ( 、一を / ) 健変 さ は な す く ーをハの示表値変の研図るがお308置装示表変に: (8

も更変多動のせそてスサロビ科図IR計316よるを計移31 たか否か確認する。経過していれば、ステップ5305 

許多山南の棘図限替 , ブン校3/0 8 疎基略時棘図:(G 02 鎖厄劑語の(燉語のようオンジャみ b b l モットス D値 062ででそれ) 野吸山事構図構図限群(4110)

> 。るれち帝更习中野処各フジඛ习懇状対強 、お面のせそてスタロで帝図配督、ブンチ。それを刊実

> > 57 -

宝媛が炭酸の宝雨の3 SMA A 多汁くマに때師示表るを 関ふ林図画者、されま。(828~でそれ:野処陶陽りく マに帝図限寺) で行多野処をも計送多りくマに岡陽元表 プリ国場が製剤の国府の G B M A A 多りくマに断峙示表 610101 次いで、CPU56は、特別図柄に関する

それ) それる野処代出時前るも代出るを一天のとな時前 - 虚変率勤、焼骨値的、焼骨の芒大されち給払ろをしょう [0105] \$5亿, CPU56は、例えばホールコン 10 。(628℃ペぞス: )型ぬ間は7℃でに

も虚理多AIS, IIS, 2IAを駆動す 切り替えたりするために、ソレノイド回路59は、魆魆 開多0S郊間開むがまるI置義松賞人変に。(IESY ベモス) (計を合計應頭の 6 8 四コトレノノ (の) きょか 【0103】また、CPU56は、所定の条件が成立し °(08844

、多のろ。さを随頭を78置装出上栽立し込むすくでに 高地出港を示す技団制御用CPU371は、賞球個数を示す払出制御 47775歳召3776城基職帰出法。6を代出を引くマに は広じて、払出制御基板3715貫球個数を示す払出制御 出勢賞人〉でもも31と3れして本体を86,886,8 O E 、B G Sモベトス口賞人、知可的本具。(S S S てでそれ)るを計実多野処和賞で計多さな宝鵄の楼副和 夏2~30g,30g,33g,39aの検出信号にもとつく。160g,660g,660g 【0104】そして、CPU56は、入道口スイッチ2

しいでよるれる行実プいない更吸ぐトトが野吸啼時対数 、れるななれのトセチのとそでも示さらってし主義が込 博凯え例お了野域公博マトを、沈るいフれち行実が野域 南陽戎蛮つ野吸公鳴マトを、おう歌派の前実のコ、おな は、遊技制御処理は2ms毎に起動されることになる。 で意味の耐寒のこ、ブトよが瞬時の土以【2010】 。(468ででそれ)るで宝鵄53歳状币

4609062~0062とですス、JU直3(46c スサロで研図服群却で限の3) 憩状暗内、3) 勢水で行る (「「「Sてゃそス) 野処短額過重モャトス口値約ひよ お(01627ペラス) 野処賞数マトを謝武値変 、37阕 理である。CPU56は、特別図柄プロセス処理を行う **処な的却具のるSSででそれるわま31イーキモーロての** ○「図、判単吸入サロで研図限許を示い「「図。るもう イーャモーロでも示る例―のムミゼロでの野吸スサロで [0106] 図11は、CPU56が実行する特別図柄 ድም<sup>የ</sup>የነግዓ ጋ

(0107) 製品値的、切取処算板マイマ協致値変(7010) 。ぐ 行を 更処の 休れをいる

は、始動記憶数を増やす処理を行わない。 ス1合製る41アJ 蜜ス1前列土や機動語施計。(44 S で ででた)るを解砕るバイリエ解砕動機店がし点校の動の機 歌語ر世紀を合れる、ブンチ。るを出曲を動の機店用宝英 透うくぐらびよは渡店用気歩く一をい慮変、遊店用気丸 **兩図で世大、烧店用宝坊兩図パでお、燐店用宝咩で世大** 、(848てゃそれ) しゅ酢 1 多波激品値触 、知れわな いてし重い面刺上心族歌品値は。(242とででそれ)る を騒動体で3体をいて1番31(4お7門の3)動列土体 Ob 機劃瑞穂舟 、(I 4 2 でゃそれ) くるも宝吽をもコオし ぐ木込 4 1 モットス口値的フリ介を8 3 器回モットス よ、始動しスイッチ 1 4 a がオンする。CPU5 6は、 るを貫入3141口貫入値的るいフパるい鑑习盤対数が叙 If & あるフィーチモーロでを示多(IIESででそれ) 野処臨新風部モベトス口値的、おり21図【9110】 。 るで更変多動のせそでス

サロて所図限許なるよるも計移な10062ででそれ、フ しろ。それ多職婦各サイ計の等與手職婦でくそを示表 のあれるも成婚が養力するころいて外は親状教徴でど ,しと「松畝の予払夭陽、払び(憩状変新)憩状率 08 大:(6062℃ゃそス)野政で終ひ芒大【8110】 。各专更変多動の社

> た、よいい合思式を終えてくでそのフ全、おいさま、合思式 宝而、さま。るを更変多動のそそにたかロで帝図昭寺34 くよるも行移317082ででそれ、おり30合根をあがりく でその製みま、C、な、J立気や井条の誘蜥激力対強の芒 大。といる野災とを臨勤さ立気の升条誘難競別対数のど 大、ブン財盟を無斉の歐重の22年でトス賞人V:(8 0 6 2 7 ペイス) 野処間部校育炭商気持【7 1 1 0 】 ° 9 6

> 更変多動のサミススタロで研図服券316よるを行移318 計多等野域る 女盛勤 多立効の 科条 効関の口覚人大: ( 7 O E S て ビ ラス トラス 単処中 放開口貫入大【 3 Ⅰ Ⅰ 0 】 値を変更する。

> のせててスタロで研図服群からよるも行移かりのととて ペマス , ブノチ 。るを放開る□賞人大ブノ値残多4 87 トノイン、コルランとを打してをせてやせてでた、お 3)(3) 以内のは、 るでは関う時間を配けるで、 は関うしば人大: (3) 0 E Sででそれ) 野政前効関口賞人大【 B I I O 】 。るも更変多動のサミススタロで帝図限許316よるも 計移3100 E 2 ででそれ、 おれわなつそろ。 る も更変き 面のセミススロで特別限許なるよるも行移なるのとと てでそれ、おい合製るいフれち宝光のよっるするの些大 Nの表。それ多略はるも出送を7く7と略は示表の後、 **式るせる吠辞を竣斗くやそフい用を9置装示表変に、ブ** 、さま。6行る略陽るも出送る7つマに略陽示表るも示

> > 17

【0120】なお、始動記憶数を1増やした場合には、

(用気光動膜低 [ ムをく OZ そ)るも宝夾を動棋団の「ムをくそ: 「ムをくそ(「)

(用家死踐7 くぐそ) るを家 売き換すべたそをわまが表徴でど大: 3 ムをくそ(3)

(用家)は (用家) 図画普) るで気寒(水否へるせる主義をひどうとしる) 所

図証者をわおひり [器示表科図証書: 6 ムヤくそ(6) (用宝好くーをい慮変) るも宝舟多くーをい慮変

の研図服券をわまり8置装示表変向: 4 ムをくそ(4) (用宝光醂図ひど大) るを宝光多む

合助の科図収替るサち主発多び芒大: 8. ムをくそ(8) (中古五兩図限替) 用宝

(用家牌の芒大)

るで気形 (本) といって (1) 

各。るもつ図明端を示き機店各、お1己1図【4210】

。るで気形ろしれでむ! おろ合製 るもう動の代以れ子、J宝夾ら「ひ半大」 31合製るもう

ሴሴቴ፡ላው [ 70 I ] , [ 8 O I ] , [ 8 T ] , [ 7 ] 新高、パま。るで宝丸くしれでお」よい合根さるで動の

**代以け予、J宝夾3 [0世大] 3)合駐るあつ [ € ] 込動** の子割え例、おう意状常証、ぶるよを示い41図、ブリ チ 。るもがもろとらる前の距離のる 1 €~0 対域店用家 件の世大、おうつつ。(42Sででそれ)るも宝好され でお)へ(当フィットくらい)の(後店用気件)を関係が)数 店用家件のど大るいてれる出断されなす 、動ぶし出れ読 [0123] & CC, CPU56(t, AF, 75522)

145 計画をすためのランドが送信され 表の81器示表動語値的、ブン校3/38を効基略時でくそ 【0122】なお、始動記憶数を1減らした場合には、 。 るをていて 多容内のてい 工解 舒動 凌店

**科図収替式し点校3/4; 勃鴠健治 、おい合思式であず4 心域動語値前、払え阀。るをマリセ多容内のマリエ解**格 動機店式し次校が機動語値約のきろの子、おな。るを解 各31てU工機格削機店をも試技31-n: 割品値給、多 前各るいフパち解替31てリエ解替前機店をも立校31(4 ,・・・,2=n) n;澍霑懴於 ,さけなす 。(588 てゃそれ) るも1てぐ多動のてい 工解的動機店各 , Cd OI 、しる滅し玄面の機動語機論 、(SBSTゃぞK)から よるもれた点を前をいてれる内容があっている情を読み出すとと **~0.6を確認する(18とてペネス) るも遮断を動の** 機動に値於ろいるよす示い 6 1 図 、フィルはろい野吸スサロア 【0121】CPU56は、ステップS25の特別図柄 。 るれち計送はいくてに職場

**一些数(単位しているLED数)を1増やすためのランプ** 

休間映施変きのよく一をい施変常面でいる残り、4割え 例は間部値変の所図の中古五、おくーをい値変解配制が でおし、みな。(48とてでそべ) るを宝光のようるをと

れち宝丸&幾イくやそるわな3次数でど大、お30合製が れち宝歩33336でも0世大、31ま。6れち宝券Wか合 **脉の种図上引いるととされる宝安やかのいなけずかのそ** 計多出演モーリ、ブンム熱態値変の耐図、されなす。る れち宝光がか合脉の科図11型のパラパラ 、れち宝光かる する熱調パをお、ゆるする熱憩モール、多熱憩値変の研 図>でもお買人値的、プリスはよの土以【0 E I 0】 気は変動バターンである。

°Ç

耐なその种図市立。るも主発はひ当大い合思れて耐な种 図山野の帝図中古五、おう懇待の誠実のコ、パま。るで どよる30300色製オンポフなどまる野処の6062~I 0 6 2 とででそれるわなみ型処スサロで帝図限寺式れる示 3) [1図 , 対野処式作き示3, 6. [1 図 , 4. 4. [1 6 1 0 ]

それれち出桩、体動されち出る読る体(をつぐれ用「ム そくそ) そくたれのあれるで加出を「ムヤくそつやくミ **ゔ懇沢の敵実のゴ、はな。(EOIRてゃそス) を**晃 310全前1くたた 、(2012でで元人) おぶ合根さい ファホン1上以(I+動大量) 社動のをくたたのあれるす 放出を「ムやくそ、フしろ。(1018でゃそれ)るも I+多動のをくぐれのあれるも効型を(機店用室件でど 大) 「ムをくそ、おるとして、フィルはJumy来更機店 用宝牌。るあフィーャモーロでを示多時一の(828℃ ☆ 132] 図16および図17は、図10に元されて 。 そならそーじの合動かっ

な。るれち更変は動敗所のをくぐれのめれるで気尘多! ムをくそ、プ点却のコ、ファよ。(1018ででそれ) るも国籍のもくたたのめれるを加重を「ムをくそ、多 動みれる出粧、(3018ででそれ) がきょうるで存 ち出帖、ブンチ。るを代入多動インやれのをくやれの体 オるも効型をTAをくそ、さなおも。(3012ででき ス) るを出曲多(残居用玉光面既低 [ ムやくそ) アムや くそ、おろらはないてした。 そもつままのそれ前十く 々た、別れわないプン選一。(4012℃でそれ) るす 郷部へ否へなし茂一ろ前をいてれる有別のママットが削削 使用 I Aをくそフし 4 動成体が動のをくぐれのあれるす 【0133】次いで、CPU56は、ランダム1を生成 。さるなよったいしゃくぐた根 n Aをくそ

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ムやくそ、不以。るあつ等2ムをくそれれる出断、冰動 **オルち出る読き吹をくやれのめれるも加土多等らムをく** 

そのめ、37新同。各名で(残居用玄咩で芒大) 「ムをく

動棋成むい独一むいきとされる人姓や歌声の勝及班 、64

ないければ変動バターとをはずれ時の通常変動バター 30 こして「0」がランダム1を生成するためのカウンかな 題状変動。(632てビネス)るも玄光31ろるももく ーをい他変誦豆却れでおうくーをい他変われるつ恵状変 新。(202てペテス)るを臨勤多心否心強壮変新、対 5)合献らならては玄武形のようるもそーで【6210】

そ) るで宝光多動膜時のるムをくそ:8 ムをくそ(8)

そ) るで宝光多動膜((の) みをくそ: 6 みをくそ(9) (用家英動棋(はるムやく

(用家央動膜体 3 4 をく

(3) 、潍店用宝券科図(2) 人(5) 、潍店用宝牌( 世大の(1) よりるひりつ、おうとらとてでそれるわ は5/世級時間対数がたち示5/0 [図 , おな【62[0]

頭をそりもの副機居各式れを示がる「図」がま、あいて れるい用る等機店るも関37种図画普の代以機店の(9) ~(1)551、ブルグナる心高多果校対域、おお。るもで 遊店用面供成おいれま機店用示表は機店の代以るよう、() 01 あつ残店用気呼込みれる、されなす。そ行を(貧成!) て、マイくされのをくされのめれるを放出を機店用家

♪ 5/動の 4 A をくそ、J 出曲を(4 A をくそ)機店用宝 **丸くーをい値変、式ま。るいフれち宝鑑が号番所図の中** 古立式し気快ぶれずれずのかは合み路の帝図の世大の譲 でそく)野्が孫東姓店用気はるれる行実プ野 (四間対数 02 図 (2 世大 、 が ) が ( 2 世 ) といっている ( 3 で ) が ( 4 で ) といっている ( 3 で ) といっている ( 4 で ) といっという ( 4 で ) で研図で世大式ン点の前のとムをくそ、おえ啊。(33 2てでそれ) &で宝央多研図C世大フc並が動の(&A やくで) 茂店用所図でど大 ,おいちょうれち気呼らでど 大、ブいおひょとととででたま示ひを「図(8210) 場合もつらたい用き囲踊の別、ファ右で同一き囲

気労を残りくぐそフィッとよるの面のるムをくそ、、し出曲 多(8 Aをくそ) 機店用宝好機1くたそ , 51 d S 。(8 B S て ぐ そ ス ) る も 宝 好 多 く 一 を い 値 変 の 科 図 フ い ひ ろ

J 5 所図山町の所図中を研図るで点状が動かり算成 I 37面の疫店さし気(た場合)には、中図柄に対応した記数の値に るも宝灰を耐図市フトが31面の8-24をくそ、ブリ う。(832℃でそれ)るも宝丸多歴図中フc並が動の S−SAをCで、おま。(TBSでゃモス) & セ宝好き **南図立ファがい動の I − 2 ムをくさるいフ は 8 出 曲 き は** なも、動式し出る語で262ででそれ、おう意派の前実 05 のこ。そ行き宝労の林図山県の合製いなしより半大、お 【0127】はずれと判定された場合には、CPU56 . (BBST. FX) &t

の耐図プレイとも314ムやくで、J出航金前の(4ムや 央31536をモーリ 、(038ででそれ) JSS動き (4 否へるいファ前が歴図上型の古五) へ否へれたち宝光 [0128] 2612, CPU5611, U-7382210 。さずろけるよいなし姓一ろ帝図の芒大、ブ

。(182てゃそん) るす玄丸 ふくーをい 値変

な。されち更変は動棋爪のをくぐれのあれるで気主を8 ムやくそ、つ点却のコ、ファよ。(「「ISでゃそん) 動される出転、(8112ででそれ) コタムムをで存 ち出餅、ブンチ。るを代入多動インやれのをくぐれのめ オるも放业を8Aをくそ、さけおも。(3112ででそ ス) るを出曲多(殘店用家央動膜(はるんをくそ) 6 4を くそ、おろら掛オいてし弦一。るもつままの子お削すく 々た、別れわないフン雄一。(♪IISてゃぞス)るも **霊部位否体式し定一と前るいてれる存果31々てゃい
動**膜 35

おるが、バックアップRAMにランダム6の値が保存さ 5宝器ぶをくぐたのめぶるを放車を 8 ムをくぐは [0] てしる前限内のもろれたる人姓や敵軍の数技強、は

よる7.1動機をいてれる科界5.1段手動頭を一天健変、5.1合 はいいまである。 進技制御手段は、電力供給が関目した場合 MAAででアセペパタマに、水動映成用 3ムをくそ、オ ま。される見ぶ面奇界の部人处感雷がぶ合根がいてれ

叭(8 L 2 て ペテス) るれる計実し返り繰び (間部のブ まるセ主発心心情マト々 s m 2 の回次、影下殊野処商帰 対数)間部の余込階されない野型ぐトトメオれち示い9図 ,(322℃~そス)フルð‐┧‐るイオゟfア実回 I プィンポンル 野政略時対数六代名示301図、お181図【6510】

あつイーャモーロでを示多例一の野処罹更残店用剤膜

1 8 54 計 ( 1 + 動大 最 ) 、 は ( 1 + 動大 最 ) 、 は な。(8818ででそれ) を見ぶりき動すぐやな、(8 E [ 2 てゃそス) おろう合思るいファガンル上以( [+動大 最) は前のをくぐためのかると気出をしるやくと。(1) **818℃~そス)るす!+多面のをくぐれのあれるを漬 08 身37々~~が動膜限用さムをくそフしょ動膜限を散れれ 上ふ(焼店用宝夾動膜(ボームをくら) Γムをくら 、わる** 【OI40】初期値用乱数更新処理において、CPU5

合斟の 6 ムを くそ 、おり ( I + 動大量) 、 おな 。 ( 8 & I 2てベネス)を晃功を多動すくでは、(8.6.1.2でベネーの4 製式し削動が給地代雷、北姆手崎晴寿逝。8.6.4.5点活功 ス) おの合思るいつとなる1上以(I+動大量) 液動のを **くされのあれるで気尘を84まくさ。(4618℃ぐそ** ス) るも[+多動のをくぐれのめれるも効主を(機店用 気労動機(はるんをくそ) 8んをくそ、パま【「p「0】 °2421

ペテス) を見ぶ0多動インセホ , (8 € I 2 ℃ ペテス) おい合思るいファガンル上以([+動大量) 放動のをくぐ たのあれるも効型をもみをくそ。(TEISででそれ) るも「+多動のもくたれのめれるも効型を(機店用家  **共動膜(はるんをくそ) セムをくそ、51.45【24【0】** よるあでも I Ji熱同ら

場合と同様に19である。

。るを誘辮を罹更 の前機、ブリレムもの前機をリブれる特別の母手討屈を ー予値変、JA合肆オン印動が結判代置、AI毀手때時対逝 。るなも気迷びMAAででアセマバきゃてでい動機時用 「ムヤくそ、オま。されち気い面存界が胡人投敵雷払び 合思式いてれる存界込動の I Aやくそ31MA Rででても ペパ、、なるれち科別31々てゃい動旗所用 I ムをくそむよ

2 C. \$2 2° [お]([+前大量) 、おう懇(の誠実の ) 、はな。(0 IISてゃそス) を見ぶりを動すべたた , (6018℃ ペラス) おい合根るいファおい上以(I+動大量) 液動 るも宝鍔31々くぐたのめれるも効±全るAとくさ、ぎ 01 のそくぐたのめれるも効±をAをくさ。(80 I 2℃ でそス)るむ [+含動のをくけれのめれるも効型を(機 店用気免砕図(世大) ほねをくさ、コタ次【4610】

。各を誘蛛を確更の勧撲、ブバで 02 「お(「+動大量)、おう競渉の皷実のコ、おな。(8 SISでゃそス) を見ひを含動インやた 、(2SIRで ペテス) おぶ合脚るいファなぶ上以(I+動大量) 校動 ひをくけれのめおるを独生をさんやく。(1212で ぐそれ)るも1+多動のをくぐれのめれるも初型を(機 店用気件(2) となるとなる。 「おれば 「3 を 1 0 」

よる31<u>割機各41</u>万代名科界31段手割語や一元値変、31合 た、ランダム5用初期値バッファもバックアップRAM ま。るけち見い削存界が胡人投旅電おい合思さいてけ おるが、バックアップRAMにランダム5の値が保存さ S五端31をくぐたのめれるを放生を己とをくそれしを な。されち更変体動棋所のをくぐれのめれるを放出する ムやくそ、マ点部のコ、ファよ。( 7512ででス) るも立場 ひゃくぐれのめれるも 放土 多る ムヤくそ、多 動される出断、(8212ででそれ) 31きょうるをす ち出献、ブンチ。 るを代入 全動 イン でれの やく でれの ぬ プラで放出を8ムをくそ、されかも。(6212ででき ス) & も出曲多(凌店用宝光動棋(G A をくそ) 8 Aを くそ、おろらはないてしたー。これてまれるといれずしてには、 クセ、おれわないコンダー。(4518ででそれ)るも 短部へ否へなし定一と前るいている存果のママッとが直膜 **成用さんをくそプリム動機成体動のをくせれのあれるを** 【0136】そして、CPU56は、ランダム5を生成 °9427

「お」(「+動大量)、おう意派の敵実のコ、おな。(8 IISでででた) を見ひ0含動インやホ , (SIISで ペテス) おろら思るいファなろ(1 + 動大量) 社動 のをくけれのあれるを放出するムやくで。(1112で でそれ) るも I + 全面のをくぐたのめれるも初土を(機 店用宝先楼7くぐら) るんをくそ、ゴま【7810】 。 るを誘熱を罹更の動機、ブバケ

【0 1 3 8 】そして、CPU5 6は、シッタム6を生成 50 【0 1 4 3 】図 1 9は、図 1 0 に示された避技制御処理

、お点部のコ、みな。るれる出桩体(凌店用宝好動膜で I Aをくそ) TAをくそ7 野域の3012でできた、5 るす。るれる出めならコオノ突一く前棋(なが動イくやな 1, S102, S103)、スマップS104の処理で 012ででそれ) ふる見いの公動フれる [+プコラ 、名 悪つましる」を「怂恿インやみ、つのるいフれを存界 は017しましている。また、最初は初期値として「0」が 前の成長の 「 ムヤンで 、 より予例の 」。 るる 7 図 即続 を示 多限─の前のをくぐれのめれるも<u>気</u>主多(残居用宝件で 34

ないよっても重要され、91・前限は、おそくされの あれるも成业を「ムやくそ、その時点から、ファがら」を生成するため れる玄鋸体前のチン1をくぐれのあれるで<u>和</u>里多 I Aを くそ , (80 I Sてゃそれ) ひきょうるれる存界体動の そ、たち出社は [ 6 I ] フリムアムをくで、ふるす。る するからあるしも「19」をあったとも るも気主きてムをくその点却のき、プココ【0310】 図20においてAで示されている。

所、おなくでたのめれるを放生を [ ムやくで、さん点却 のコ、ファ新。るれち宝鑑は動のそ31をくやれのあれる **支加土をIAやくそ , (80 I Sでゃぞス) かきちちる** れる科別な前の子、れる出曲なしる 9 1 1 フレントムを べそ、56t 。6もとかったあつ [391] な動インやな る。その時点のランダム7を生成するためのおおひちの る。なお、この時点は、図20においてBで示されている。 れる出酢やアムをくそう野処の己0 L Sでゃそス、3 る でかかって価が初期値と一致したことが検出される。 更吸の4012ででそれ、Jるなか」[61] JJ逝赴体 前のをくせんのあれるも数主き「ムをくそ【 [ 6 [ 0 ]

。 るいて 7 示ふ 置 立 る な と し ( 動 宝 阵 ひ は、初期値「n」から歩進する。なお、図20におい そくでたのめれるで成型を「ムやくそ、るか点部のコ 、ファが。るれち宝塔が前の予ジをくされのあれるで気 五多しんを(C (ステップS 1 0 6)、ランダム1 を生 存界は前の多、AS出部は Ln T ブンム アムをくそ、5 るも。るもろれっあつしゅ「放動すべたたのをくたた のめれるも効业多 Γムをくその点部のろ 。 るいフルち示 が抽出される。なお、この時点は、図20においてCで アムをくそう更吸のさ012でゃそス、 よるも 。されち 出勢なよろなし発しる面膜低な動すくでなる野域の40 ISとぐそス、よるならし、381」フし新来が動のをく (0152)そして、ランダム1を生成するためのカウ 

でれのめ式るで効型多てAをごそ)をごでれのめ式るで O2 些大) [ Aをごそるを小変ファよび野政禘更竣店用気性 宝光を動棋所の(をくぐな用宝牌で芒大)をくぐなの体 みはその値から歩進していく。ランダム1を生成するた くうれ、多以、れる宝鬼が動棋所なが飛ブしも動すくや み 、5/動るで (インやみ Γ I E) 禹 I 松動のをくぐれの 【0153】以上のように、ランダム1を生成するため

> 野政帝更遂店用示秀(7IRてゃそス)るれる行実し返 び繰り間却で余仏鳴るわおい野処くトトメれたる示い 8図 、(428てゃそれ) ひきちちるれる計実回 [ フィルおひ

> > 33

4を生成するためのカウンタのカインを住成を251減ら 10 ムやくそ、(2312てゃそれ) おい合根をいてゃない 上以162が前のをくせたのめがるを効型をもんをくさ 。(IBISでィデス) 各女E+玄動のをくぐたのめオ るで放出る(矮店用玉形くーをい健変) 4 4 をくそ、お 8 3 3 1 4 4 】表示用乱数更新处理において、CPU56 の一例を示すフローチャートである。

最) 前限(の面のもんをくそ、されおも。るないの前面 つた後に251になる。すると、251減ちすと、その 20 なる。また、値が2から始まった場合には、248にな 253になる。すると、251減らすと、その値は2に が、値が1から始まった場合には、250になった後に なる。すると、251減らすと、その値は1になる。ま から始まった場合には、249になった後には252に の放動、つのういつえ替べをお助すべたたのをくたた のめれるも効主会4ムをくそ、めるもつ032制動大量 のもんをくそ、おりで感形の耐実のコ、おお【さり【0】 。(EBIST (元尺) 下

大量)、切り懇叭の蒴実のコ、はな。(8812℃でで ス) を見ぶり含動インセセ 、(3312ででそれ) おぶ 合根をいてゃなひ上以([+動大量) 松動のをくぐれの めぶるも加土多!- S A やくさ。(4 8 I 8 でゃそべ) るも「+多動のをくぐれのめれるも効虫を(機店用家 央帯図れずむの立) [-24をくそ、31次(8410] \*\$12 C \$217 やくで更好るあ、よ (面の影がれる見が動てえ魅き動大

の献実のろ、みな。(9212でペテス) を見ひ0多動 インセセ 、(8618ででそれ) おい合根をいつとない 土以([+動大場) ぬ動のをくぐれのめがるを放业を2 - 21をくさ。(7312としそれ) るも [ + 全動のを くたたのめがるで気尘多(茂店用宝坊研図れでおの中) 2-24をでき、おの合製さい主体が上部されなす、合 製が付ち気30な動ファな31上以(I+動大場)な動の そくされのあれるも気主き「-21をくら【アト10】 (1 + 1) は12である。

の献実のJ、おな 。(2312ででそれ) を見303動 インセス、(1912とででた) おり合助るいつでかり 土以(「+動大場) 体動のをくぐれのめれるを放出を 8 - 21をくて。(00 I Sてゃモス) るも I + 含動のを くでたのめ式るを放土多(竣店用宝夾研図れをおの古) 6、すなわち術上げが生じた場合には、ランダム2-3 よれれる見びの放動ファなび上以(I+動大量)は動の をしてたののかるを放出金を一てみをして【8410】 

101497四20は、図16もよび図17に示された 。さあひ 2 [ お) ( [ + 動大 最) , お) 7 選 派

からムヤンモラ町処のBIISででそれ、よるす。るれ ち出鉢なろったし煙一く前根内は前1くでたつ野域の4 IISでゃそス、よるなな」 LII アン単地体前のをく でしてるできまれるとないで、プレチ[8310] 

ウンタのカウント値が「K」であったとする。すると、 たれている。その時点のランダム9を生成するためのか 布出される。なお、この時点は、図2 1 においてして示

☆校が送りてでき大量) [ [ ] な動りてでな、む(☆) 期値「ド」から歩進する。なお、図21において、星印 時点から、ランダム6を生成するためのかひかいで、 るか点却 のコ、フトが。それを宝器な動の多いをくぐれのあれる を放出を3ムをくそ 、(3IISでゃぞス) 3/きょうる ホンダム9として「k」が抽出され、その値が保存され

次る4つして郊心野処衛は対域) 間初り余の野処衛時対 たっちょんめのからかり タンダンラ かんかんのめれるを宝 好多動膜(RO(をくぐれ用気光焼斗くぐそ)をくぐれの 05 はその値から歩進していく。 ランダム6を生成するため をくけれ、影以、 れち宝鴉体加膜内なが稀ブしも動すく でた、JJ動るで(インでた8 I)周 I 放動のをつぐたの 【0159】以上のように、ランダム6を生成するため 

。させか変がながく そる動棋(はのをくけれ用家先後7くけそ 、うのるおい動 なんをくそも前のもんをくそろれち効型、果結の子。そ いっておい間膜なんをくそ、うのるな異つい点の欧状計 並の対数、お間部で糸の糸、ブレチ。そいブれちてでて インウセフ (間却のアまるを主発体払牌マトセ 2 m 2 コン

**フしる式れる鵜窓体やくミトを確更動すぐやな用宝夾** き おまり なんきょう すると、不正基板が重要ので てもたてめれるある本前期内なんをした。 スカるを周 I **ぬ動のをくぐな用宝光竣习くぐそ , ℓ まぐ【0 8 I 0】** 

対限財スパセンミトやるを発一スが取出は分し次次の後ずく やそな考大体動インや休用家先竣斗へやそ, スパそよかけ る示で印基ス/ I 2図、 まいれよろ/ 懇様の 前集の ご 。 さなる/ 母割な五不ファるは多せくミトをさなり動気呼ぶし気校 3)竣1くぐらなき大体動1くぐは用気形竣1くぐそ、き

る。図22に示す例では、進技機の状態が低確率状態に ぐやそろ機店用家水嫌汁ぐやそ、おいる2図【1810】

\*847346477643148468344

様うくぐそ、 れち宝灰512 「 体嫌うくぐそれ51合型かし 込動の残店用家央援うくぐそがれる出邮 、おろうろろあ

用宝光送りくぐそ、 なち宝光の4 [ 体送りくぐそむの合

製式し渡ーづГ [ , 6 , 6 , I 祉動の機店用宝夾

点却のコ、ファが。るれち宝媛は動のそいをくぐれのあ オるを放业を3Aをした , (3IISででデス) おきち ムるれ名符界体前の今、れる出前体し「1177しちの人 せくそ、よるす。るするかっあつし「「」が動すくやせ る。その時点のランダム9を生成するためのわりからる。

0t

る。なお、この時点は、図2.1においてBで示されている。 れる出版なもムをくそう更吸のさIISででそれ、5

るす。るれち出険なくコオノ疫ー・3動棋内が動インやた プ型弧の4 [ I Sででそれ、よるなかしを ] 7 J 亜地社

前のそくけれのあれるも数土をるムをくそ【7810】 まは、初期値「3」から歩進することになる。 くたたのめぶるで成型を84をくで、それ点割のコ、フ

るで放出を84を46の点部の子、プココ【88【0】

c並。るれち宝器や前のチスタンでものめれるも数型を るムをくさ、(8112てゃぞス) ひきょうるれる科別 な動の子、 たち出前はして「フ」とも人をして、」ろをす ~&をちったったのかかしと「Mが」3」であったとする。 。るいてれる示うAフィンは

37 [ 2図 、制点制のコ、はな。。それち出曲は(竣店用宝

インセセク野吸の4118ででデス , (8118, 21

【2、「【【2てゃそれ) 」を見び0次動フれち【+ケ

ころ、4型つまし817位か「18」まで進み、そのるいフれち

ななっている。また、最初は初期値として「0」が保存

説明図である。この例では、ランダム6の最初の値は0

を示る例―の動のをくぐれのあれるを放出を(機店用家

**玖媛7くぐそ) 8 ムをくそる も小変ファよい 野吸 篠更茂** 

**れち畸鳴ひろよるなひんをくそき動戦所の後店用玄共** 遊りてむで、3065、おう憩泳の動実の3【8810】

**やてそうなお出地限基のやくミトやるなの動気件で芒大**体

動 1 く 6 4 用 宝 時 0 世 大 、 み 6 よ か れ ち 示 う 印 星 み り 요

図、れれよい熟珠の敵実のこ。るない糠困れらこむ近の 送31 [ を动基主を导引賞人施始な五不プ ころはきせく ミ

トをるなび動気性で芒大体動インやな用気性で芒大、き

の世大ブいてもよるが导引るれる代出る&IE 郊基主、ホ 歩進が始まる。すると、不正基板が主基板3 1 に接続さ 10

のをくたれてあれるある休前期低かんをくそ、31割るす 周 [ 体動のをくせれ用気時で芒大 , でまぐ【 4 8 1 0 ]

ど大、うのるない動なムやくそも動の「ムやくそるれち

気型、果諾の子。るいファない間膜なんやくで、うのる

な異プリカス以外行逝の敖逝、お間却で余の多、ブノ多

近階マトを 8 m S SI次 3 位プリ 下 殊 は 更 処 昭 時 技 強 ) 間

。さいフパちてゃてインクカフ (間初のつまるを主発体

。るすが変ぶんなくそも動機はのをくせた用気件で

**プリムボれる礁窓体センミトを飛更動インや休用** 宝 呼

**。らあてされるいてっかり**しある。

そス、」もるす。されち出対がよコオノ定一も前期内が前

てでてせゃい、お割馬値鈴科図重普、おむ。るを割馬を 動の多、J出曲を動の(3ムをくそ)機店用宝牌で芒科 のLEDが点灯される。そして、CPU56は、普通図 **配者 、おな 。るを「+多面の敵島値納耐図配替 、おれい** ないてしま、しな動へ合かるいてしまり(「も」おり例 の3) 動大量な歌店値砕林図鉱普 、8 かいプリントなん。 2 € モットスイーヤ。& を出始多く木の B 2 € モットス オーヤンでムも3を面積での26イーでもなる共衆の統 開礎変材図配普 、おう野処モベトスイーや【33[0] 。るを行実多野吸の休れをいのさその

RAMに形成されている。

野吸がれる示いる「2~2~2~2~2~2~20点の面のと そてスサロで帝図監督、50銭パし計実を更吸モベトスイ ロセス処理では、CPU56は、ステップS71のゲー て耐図配普。るあフィーチモーロCを示多(TSSてゃ マス) 野処スサロで研図配普るれち計実ブいおり野処邸 いれるアしかもある

05 れる示表山引発最松附図式ご為30渡りてひで大量、ブロ 行多(健変再)示表変厄の研図 カー、影の多、 れち示表 山朝砂が兩図がい高い様子でから大量、約30巻とかれる 気形づ(イくたそる I おケ内のコ) 竣1くたそ大量、ス 群、316ち。いよるプリスパスをも示表を果辞宝央の機 インウモ、多力で計多出資示表なるよるもう離臨33苦麸 強然もつるいてれる出事が渡りくせる、アいより9畳装 お3/8置表示表変に、おう例の結上、さま【4810】

。るは兼多茂店のめれるで宝丸を竣りくぐそ 、�� **竣店用宝央研図で芒大、やれち用動お竣店用宝舟竣刊** くでき、おい合思るれち宝先が竣りくぐうし立い神図 **山駒の科図収替。るあり図即端を示き附一のた式宝光媒** れるようにしてもよい。図24は、そのようなラウンド ち気形が残りくぐそブンカス研図上型の研図服群 、なか **パち気労ブいたよる31面の機店用気丸機引くやそれ機引** くやその中対強で世大却で例の第上、みな【 6 8 1 0 】 。される示

秀は面画を示多嫌うくもそぶし宝光は段手略怫敖逝、ブ 度一-3 胡変部なが、以前率部高の所図配普、はな。& OL いは20 8 置装示表変同、影ぶれた名示表が所図をならり ど大ブィンは 3) 6 園装示表変に、おりで附の 3 。 るもで 図 即 端を示る例一の哄肆機引くせき 、お162図【2010】 。される武代

3,15,17は一部へと起っては、3.16に、3.17に、3.16に I , I I , 7 , 8 , 8 , I 社動の機店用宝択機引くや そ、パち宝光の41体機1くやそれの合制がし程一318 1 ,81 ,41 ,51 ,01 ,8 ,8 ,4 ,5 流動の機 店用宝先送りてひたれた出曲、おいろろるの激状率 

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は、図26においてAで示されている。

点制の3、6なな。6なち出桩は(竣店用玄牧卸膜低6ム やくさ) 8ムやくそ7野処のさら125ペぞス , 56を 。それる出効やよっなし発一く動棋体は動すくでなつ理 121, S122, S123), X7-7'S1240M 2てぐそれ) よる見びらな動でれる「+プンチ、そ動で かの値は3になっている。また、最初は初期値として 最のさムヤくそ、お了例の3 。さあ了図明端を示多例─ の動のをくぐれのあれるも効土多(機店用家件でど科図

**画普) さんやくぐるも小変ファよい野処務更機店用気**件 

°をりユは

赦実のつ、おな。るれる職は関関ファがいくーをい放開 、おり [ 置装殺賞人変厄 。るあアくーをいなさよるを効 開間休る1、1 支再プレンは全間限気間の休り、4 数3人 回 [ 体 6 [ 置装稅資人変厄 , 払)3 制率新劲 , 払 系例 , 払 ベーをい効開の 3 「 置装和賞人変 p 、 はむ 【 0 7 Ⅰ 0 】 。るれち放開なる [ 置葵萩

賞人変に、影式して殊は示表変にの帝図証者、おい合思 ホrt5宝好50世。&を宝式外30面の代以して7 , [8] おい合根の代もお、し宝歩い「「」おれました「

冬林図山南おい合根をするでと、よるもちるもでして「

, [ 6 ] 放研図では、おの合根である事をある字様の 6~ 0 放 **兩図配普 、割え例 。るで宝夾き兩図山駒の兩図配普ブい** たくよの等機店の宝商、ブンチ。るを宝光をれておして 05 当る。すなわち、図2 I に示された関係にもとづいて当 | 東央ネパでお人(ビブバ)でよる3/動の機店用気件(ビ科 図配着るいてれる出帖されなす、動式し出る読るやてい 価格納エリアの値をシフトする。そして、活数値格納エ もに、普通図柄始動記憶の値を1減らし、かつ、各乱数 る乱数値格納エリアに格納されている値を読み出すとと を では ( とて と ) とれる ( とて と ) とない ( とて と ) といい ( とて と と ) といい ( とて と と ) といい ( とて と と ) といい ( とて と ) といい ( といい でそス) 型処宝性科図配着 、約85UFO【6910】

**れる宝好ふびど、私れを定一ろ動ひどな動の残店用気**件 低確率のときには3、5または7である。普通図柄当り 「といいずれかであり、「このいずれかであり、 関係を示す説明図である。図25(B)に示すように、 のよれをおしてどと (アムをくそ) 機店用宝件で芒科図 **亜普の7歳状の故実のコ 、ホタイ(B)62図[8810]** がよりも同れれるでの社前の意味値が所

図面音。 るを帯更多動のせきにスタロで帝図面音、おげ は、CPU56は、普通図研始動記憶の値が0以外であ

が変ぶんをくそも 前膜 休のをくせれ 田宝 呼び 世科図 証普 、つのるなり動なムをくそも動の8ムをくそるれを放土 、果故のう。るいファない間間ななをくで、うのるな異 ていふい兄状行逝の対強、お間部で余のチ、てしそ。6 いてれるて、マインでれて(間部のフまるも主発体払信 マトを2m25j次さなプレて鉢な野処崎陽技強)間割の 余の野政略は対越るを行実なるとUSO 、おくをくでれ のあれるも熟土多8ムやくそ)をくされのあれるも宝英 多動既成の(をくぐな用気)はび芒科図鉱着)をくぐなの はその値から歩進していく。ランダムちを生成するため そくでれ、釣以、れる宝鑑な動棋団なお飛てしる動すく 々々、JJ型るを(インやみII) 周I i\動のをくぐれの 【OI75】以上のように、ランダム5を生成するため ,るいてし示を置立るな

3 L (C一O動気件で芒) 3 T 放動 4 くたた より(☆) 旧国 ,ブいは5102 図 ,はな ,&を進進され [Ⅲ] 前 点から、ランダム5を生成するためのカウンダは、初期 30 胡のコ、フゃが。るれち玄紫体動のそいをくぐれのぬか るも就业を己ムをくそ 、(32125セモス) ひきもち それち 引いる 「m」 ブリム 8 ムダく そ、564。645かんあで Lm M動すべかれのもく たている。その時点のランダム8を生成するためのかか 出される。なお、この時点は、図26においてCで示さ 酢な81をくらつ型域の3212でできた、5.6を .& れる出象なるコオン党―- 4 動棋内体動インやセク野吸の ▶21Sてでそれ、よるなな」(8) てし逝走や動のたく 01 747615 ランダム5を転走するためのカウ 20 。各も逝むる休 [8]

面膜は、おそくさためのかろを放立をさんを、そ 体点部の3、ブc新。るれち玄鑑体動の多いをくぐせ のぬれるで加里を己んたくそ (3212としてたた) ひ きょして (8) さんはおれている (4) といっている (4) といっている (4) といっている (4) といっといる (4) といっといる (4) といっといる (4) といっという (4) といっという (4) というにん (4) といん (4) というにん (4) といいん (4) といん (4) といいん (4) といん (4) といいん (4) といん (4) といん (4) といん (4) といん (4) といいん (4) といいん (4) といいん (4) といん (4) といん (4) といん (4) といいん (4) といいん (4) といいん (4) といいん (4) といいん (4) ムヤント値が「8」であったとする。すると、4つとん のもくされのあれるを気重を84をくその点部のチ。そ る。なお、この時点は、図26においてBで示されてい Of を。される出勢やよコガン変ーも動機(体)動インや代グ 型吸の4212℃でそれ、36な21~113つ1新地位 前のせくけれのあれるで成生を己とやくそ【ETIO】 °ဇ္

かりょうるで進むるは、111面積は、おけてでたの る。従って、この時点から、ランダム5を生成するため れる気態体動のそびをくぐれのあれるも効型をさんを くそ、(8212てゃそれ) ひきょうされる存品が前の そ、���出���しII」 アノム8Aをくそ 、ろるを 。る もろがっあひし「!! み動すべやなのをぐぐなのぬが

247546 いファおこれととことはは世代はなくランダムになって前 気性でどな動すぐでも用気件でど科図配書、50でよがな ち示う印星3182四、おけより激派の敵実のつ。るなな 致困れような近(英5) [ 医 改基主多(等导計出) の B S をイーヤ) 与計が五不ファるは多やくミト々るかの動家 はのどな動すべたな用気はのど科図配替、& ブンンンがた 5

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は アルプとよりは自合れる代出る体1を効基主、れる熱致

J賞人は我技強3/減弱賞人Vのフノ 5減弱宝券、付援多 林瑞健厄31内(42置装粧賞人変匝)□賞人大 、割え例 ,合思の子。いよきてしろらよるも気好多(そくぐる せち小変別え例)せくミト々るせち小変、おいるあ、ゆ 否へるせる小変多断帯内の置装賞人変に限群、ブァ よい(徳出のと前宝吽と楼店、おえ例) 賢畊の宝而、ぬ **オリ示例多のきるも宝形多楼回郷土1くぐそう蟹曲るよ** 3134とくで、より了激乳の敵実のコ、オキ【87【0】 。るもど肝ふんそやロでの多、水野処のさるとででそ CPU56が実行するプログラムで実現される。特にス 回風土、みな。るれち庚実体劔技逝るを暗晴ろんるな スカストなんく ミト々るを 按一 く 動気 呼の 気 液 体 動機 る れ ち帝更う矧手帝更面漿用気件の用焚回翅工 、え酬さる矧 手宝央楼回顕土るで宝央多楼回顕土赫琳のうくぐそるや おい態状対数で芒大フィンでくるころ(前宝件の用宝先機 ち出帖、J出帖多動機の段手禘更動機用家件の用機回刷 土フィットろような気料条の宝荷、ろ(をくぐたのめれる を放出を8.4をくられて慰汧の動実の3) 段手飛更動機 用式件の用送回列18を確更づ内囲確削送の宝布多削送 の用玄吽るれるい用习玄吽の竣回郷土赫琳の1くやそる もはい意味対数でど大、のあて鎖にならつるせる詩雑し 虱の繋びまるで蚤の(回る 1 おび懇徠の就実のコ) 焼回 **駅上熱辮多(海間る4位間の口質人大の回1 、おび窓**派 の敵実の3) イくやその気液、ブバケムを3/立刻の判条 赫琳をよびところで賞人が剥削賞人Vのフしょ刺蘭宝寺 体放対数 、フィルよい態状対数でど大 、ファ&で鉛に暗陽 3.熱状対数で世大のブノム熱状対数気持な体育プでムス 対数、おう部状の前実のコ、コメイよの上以【 Γ Γ Γ I O ]

盤との1を示す正面図である。図27において、遊技盤

お班、おりて2図。るきつかよるを用面き3級対数にく そい断 2 策切 門 兵本、 ながし 3 門 多数 技 並 に く そ 八 野 [

策、おう想派の新実の語土、2題派の敵実【8710】

下鉢の憩状対数でど大、Jいよるフサちていまろ中憩状 **対強で世大のブノム熱外対数宝寺、おけてミトをるせる** 

小変ふ沓帯暗内、パま 。るきつなくコるを更実ファよい

よるをも7.鉛imが変5/3.a数状いがなし質人も額状いすや

後に生じてさせてもよい。

**\* 108808-3003開** 

るも銭関タ222間空質入路土 、わぶきらさしておなる を放開多222間空貫入路土、スシき5式してお枕442 こんね, ここ4 bに連結され、ソレノイドここ4 a, こ 23トレイレンン介を構動せていれずれる、お148.22 23 bが回転可能に設けられている。関閉片223 a, 2 ,8 6 2 2 4 関関の核一方法 , 太1 31 2 2 2 8 置至賞入陪 1 22 1 には、上部人質空間2224形成なれている。上

45

8,226 bを通って玉排出口2278,226 は 322路重王パパを放示が側両古五の122か基付取 、数式し配面を48223ね, 2254運動大変法 賞人がれる出勢でd 6 2 2 4 8 6 2 2 器出勢王賞人、な な。るいフれるや鎧はは225点。 225曲地鉄正道人 の校一古五名を出験多級技趣ぶり買入5/2/2 2 2 間空買入 暗土 、おろの代階型国の222間空質人路土【4810】 。るで薄回ぶ向衣

耕なさもの当、別れあで置装粒賞人変而るさせも小変ぶ (週状の022置装粒質人変 (でいく こりの) はままれば (週次の ) とり (週次の ) といい (知文の ) にいい (知文 の022置装和賞人変向いす今し賞人の製励宝券をいて 敷含武斠皓内、フcあで┣━払汤斠の022置装私賞人 。されまびの送ろ1082間空覚入路下

解制限艦 、おり6 2 2 器示表透回誘雑ひよお8 2 2 器示表 **透勘賞人、ささなす。 ふれち示表も 帝図の アン 3 異情限** 鑑さし 気快 3 題状率 新 9 竣 7 く 6 長 5 雄大 最 、 3 ) 限 却 の 宝福、おび9223器示表機回熱難びよは822器示表機 間貫人、ぶるよるも拡影、はな。さいてれるい鑑は62 2器示表 後回 誘蛛 る も 示 表 多 後 回 誘 蛛 の す く ウ そ る け よ 3週状数数或替3823器不表機勘算人るを示奏多機出 めの正賞人るよこ) d 6 2 2 6 a 2 2 器出検王賞人 、より パリスタフであり扱

まけられていてもよけ。 るさる。&いフは兼き置装示表変FO&かるを示表き

口間、31を5かしてためる821トノイン、ガま。6を **雌移出並ぶ向れるで鮭関体2 8 2 口関3/考 4 オノベ 4 林** 4にはソレノイド235が連結され、ソレノイド235 8 4 6 4 0 か設けられている。 関関板2 3 € 4 0 か設けられている。 頭が大勢暗盤上の362ムミ 7 声回 、5862ムミ 7 海 同るを連回で置立式上の4と、関関板234の上方位置で回転する回 るも関開多262口開、5262口関がれき放派の総流 不の162盤他遠端不、5163盤他遠端不るかち健遠 ファル向31式数多正質人式作業近で数さゆd T S S , B てるる口出表主、おろのとる間空質入部干(7810)

[0188]回転ドラム236には各連結ギヤ2378 。るを雌移行延习向式るを始開多282

> な状態になる。 銷に賞人体和対数 、スンもとがっない部状効開体 ∂ I 置装 殺賞人変に 、おり4 4 0 2 口賞人健的 、おな 。& を栏時づ 表別では、<br />
> では、<br />
> 遊ります。<br />
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> できれる<br / 01 □賞人/進台、さけなす。るも効開間限立行体022畳装 税賞人変に、ブンホスは動。るれる出勢でo 802~ B る02器出勢玉櫨餅お叔敖敬、うるを賞人や叔敖敬ひ」。 402~6402口賞人徳龄。よいてれる置頭なっ40 2~ B ₽ 0 2 □賞人(値)会の方・中・五かし 箇内を( 段)手 出勢値斜) 5602~8603器出験正値的付予は、お 31式Tの022置装粒貫入変匝。さいてれる置届は02 いてつ気流を603減が遊技領域と03を形成してい

野傷奏示器 4 1 において点打している L E D か 1 つ増や ・通的科図配替 , 51ととともに、 普通図柄始動 通いが、 普通図柄始動 音、知れけないてし参いなは、多いてれる気法のMAAR てゃてせゃい) 動語健純兩図重普 、 おれわなう意味るき 込みで表変にプいは310 Ⅰ 器示表所図重書 、 よるで賞人が 我技動312 € 1 ーヤ。 るいてれるれ場は [ 4 器示表動語 器10の近傍には、4つのLEDからなる普通図柿樹動 20 数の状態(遊技球が可変人質球装置220内に設けられ 示表科図重普 、3145 。各を示表変厄多科図重普をなる ☆子茂の6~0割え例、割0 I 器示表耐図配普。るいつ れるい窓は0 I 器示表所図配着 、おい暗土るわない02 2置葵椒質人変に、よるい鑑める€イーやよし満内きB SEモベトスイーゼ、おびEOS炒頭対逝【O8ⅠO】

ない感状な蛸に質人な粧麸強のd b 0 2 口賞人健龄、さ **らなす。るない部状効関や5個制宝液、竣回宝液なる** 05 【置装和費人変匝 、おい合製るあつ(研図山尊)果結示 表の示表変になわは310【器示表科図配普【【810】 °Ç4₽

2 , B 9 0 2 0 箱でンミオトセオン猫内をdoi2 , B 06b、 両年208a, 208b、サイドンプ210 2、6002車風みし続けなd702、b702でくさ 車風、きが快級競技し話上、おいたものの対域を対しても、 ま。でいる題状引値旋的を題状で行き引使放開体02 3置装報賞人変応プリ流が出参賞人の○803~880 りが2回開放される。また、このように対動土検出器2 人値的の央中さその0402~8402口賞人値的、た 5 放開回 「な022置装粧賞人変匝、おい合果かり賞人 20402, B402口賞人機缺のお立さその0402 置義税賞人変に。るを映読プリ顕き多62図ひよは82 図、ブルつり023置装粧質人変而、31次【2810】 °۶

面に取り付けるための取付基板221を有し、取付基板 50~237cを介してもモータ238が連結され、モータ 表の「03盤対班多023圏装松賞人変に【88[0]

JO

OMられおよびI/Oボート部57は外付けであっても A、シないよいではもありがあるMARもような少しは、いい セートコンピロイトマア・モ 1、みな 。そもフセートコ くにロイトマアセモ! 、おるひしつ、さんかす 。さい は、ROM54, RAM55はCPU56に内蔵されて **ヶ銀沢の誠実のJ。む含ま73階1~氷0\Ⅰびよは8** AM55、プログラムに従って制御動作を行うCPU5 れる記憶手段(変動データを記憶する手段)としてのR を用動プリムリチャセーワ、4 GMOA & を 動語多等 A それ口での用啲はムーゼ、お166路回本基【8610】 。るいフパち旋替や4 8 路回代出辞割るを代出てし校ぶ 置装品代の等を一よ当くにハーホ多号引代出辞情の等辞 育で世大を示多主義ので世大、フゃが31を一てるれるえ 回路60が搭載されている。また、基本回路53から与 38を基本回路53からの指令に従って駆動するモータ 指令に従って軟動するソレノイド回路59と、モータ2 【0195】また、主基板31には、各ソレノイド22 くい 子回路 58 か搭載されている。

55の一部または全部の内容は保存される。

50 一つの基板に搭載されていてもよい。さらに、表示制御

お、現主略は音びよる段手略はてくそ。されち略はファよ

あるではできるである。 で 189] また、 120日 189 2 3 4 2 2 3 6 0 日 18 9 3 4 2 3 6 2 3 6 0 日 1 2 3 6 2 3

前の242日人受事群、れる45%な242日人受事群の の245%な4842。8843株職師の校一古五、お34

でいる時間で表のそことの表示表域回路技術といるでは、 でいる時間で表の622器示表域回 発が窓大計値値対。 念を即端アパンの時間値計の032 を間待立所が4523。 84321トレイン、55を主 開の今。 念を放開が4532。 85321トレイン、55を主 高を1323内3232間空質大路土がお技趣の中値引放 配多 623。 8332器出始王賞人お王賞人の今、5 を関関、パま。 念れまがで送ぶ053間空質人路十万で は関東、次ま。 64333063間空質人路十万で が関盟、パま。 64343の53間空質人路十万で は関連、次ま。 64333063間空質人路十万で は下の6531トレイン 6333日の53間空質人路十万で でする623。 8332器出始王賞人が314年 でする6231トレイン 6333日 でする6231トレイン 6333日 でする6333日 でする6333 でする6333 でする6333 でする6333 でする6333 でする6333 

様数まれていてもよい。 【0199】また、実施の形態1の場合と同様に、遊技 搭載画には、パックアップ電源も搭載された電源基板9

5) 改基のC一が現手畸储音びよる兇手畸储でくそ、兇手

。るも立気が静熱撚よるも賞人ひSPS口人受気替の フリン製館気帯が粧炭斑ブいよび(パセトや閉開の回8 1) インウで各く斜をインウに終場、北ち切帯でルセト や関関の回8「なうてから」、おう憩讯の敵実のコ、ひ また。されちが開始すぐやそ次、さむなす。されち於開 冰小セトセ放開のd E S S 、 B E S S 2 内閣開動再51多風 経の間却パパーをくトの玄液、よるを立気や静熱蛛。& を立気は静熱難のれてトや関関の回81、ブでよびとこ るで配面多8 4 2 器出勢王宝寺は(税券越式し貫入V) 私数強力で入る42円入受家材、ブレチ。6人5124 2□人受玄持つし健連3/1大祭う直真多0 4 2 強健連路上 、お王賞人されるめ土や受づる642,6643人がおき □ 、ファよ。るを斜翔を耐断の表情242日人受気舒助 41年間口232を開放し、可動部材243a, 243b ノイド235, 245がオフされることで、関閉板23 て、または、最終回の開閉サイカルにおいて、各ソレ ここちょ、 ここら b に検出されるのは十分な時間を待っ 器出射正賞人フ全体投対越ぶし賞人 、影下鉢小セトや関 間)ファギスで終のれてトや関関、影の子【8020】 たれるあ出付受力 3 g, 2 4 3 b に受け止められる。 前242口人受玄群、お王賞人の子、合斟される15廻34 4 8 8 2 3 基本の表示の表中が表表数される留事の14 8 S

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0₺

"ነንያ \$ 2

参 6 2 図)合即の I 熱泳の敵実 、幻野処 K サロ で 所図 厳 普、おな。るれち深更31中野処各プリカ35歳状対数、お れる出心質が更吸るすど蒸フ。並のとこれとして外図 **重普の依式る
す
臨 帰
で
素別の
支 売
素の
の I 器 示** 

82℃ででス) で行ふ野処代出時前るを代出るを一天の 3.な時情報情報、時間でど大される絡典31を一と34、 88)。 さらに、CPU56は、例えばホール管理用コ イベマに略帰示表プリ宝鑑の遺蹟の宝荷の G B M A A S 【0515】次いで、CPU56は、表示制御コマンド 。& あう蛸厄計実习耕同3(開

マS 9 0 )。 さらに、モータ38の駆動を指令する信号 でそえ) そ行る合計施頭の9 6 路回 1 ト く し く ひき と か 【0216】また、CPU56は、所定の条件が成立し

は出法。るを代出多り、くてに解除出法を示多機勘規置づ 7 6 改基的時出法、プロ流ぶ出教賞人 > でもも 314 5 3 7 J C F 放客 d B S S S S 器出検正置人 、よりごの科 **宝児の機断税賞〉でもよい**早計出鉄の等 d c s s s d 22器出検正賞人、お33UT) そして、CPU56は、人賞玉検出器22 。( 1 6 8でゃそス) 各左戸210 6路回を~チをぃ

°(†65,4 でそれ) るす気傷の感状に稽仏曙 、(662ででそれ) サち制動を容内のを<br />
なべい、<br />
多のう。<br />
るを<br />
他頭を<br />
下り<br />
留 装出法教でです私出制御コマンドに広じて球払出装 御基板37に搭載されている払出制御用CPU371

、パちなかれの1~サのヤミてを示きろうかし主発が込 博制え例おび野域公階マトを、なるいてれる計実な野域 商情対数で野吸込情マト々、おう認派の敵実のコ 、おな て急張の前妻のコ、ファよが陶陽の土以【8120】

それ。そ行き野処の休れずいのさその8032~003 Sてでそれ、プリ内の(セミススサロマが)例のコ)部 【0220】プロセス処理では、CPU56は、内部状 におけるステップS86の具体的な処理である。 イーキモーロての28図、幻野吸入サロでを示り88図 。るあ了イーャモーロです示る例—のムでゼロでの更吸 【0219】図33は、CPU56が実行するプロセス

し、始動王検出報205a~205cよる検出があれ 盟那か否か式し出験を検対型がなっる05~8602器出 新王健治: (0038℃でそれ) 野吸溶腫【1220】 . SAGT が野域なるよの下は、ブルはおり8022~0032でで

或雨: (Ⅰ032℃でそれ) 野処計値値的【2220】 。 と 変更変を動い

は、ステップSSOIは移行するようにプロセスフロセス

コ、カま。るいファからんるよるれる容稽でま(インやそ 【0207】ラウンドの雑結回数は、最高15回(15

毎月くでで 「、お822器示表機勘賞人、 J示表を(機 6.2.2 器示表域回熱辮、ブいない熱地対越京群なでよの

基主。るも明端プいて31計値の数技数31次【8020】 。るを示表多機勘賞入习

を斜開き野処ぐトトの耕同と野処される示516図、5 のた るながパシットへなれ、シッけ人の子齢イですじ、なる人 が、RAM等の周辺回路)は、避技機に対して電源が投 板3 1における遊技制御手段(CPU56およびRO

ぐご多気呼激状のるれる、Jは入る号引出勢のキットス 具。(262~~それ)をも行実多更処稅賞を行き込む の4 0 4 6 2 2 4 8 6 2 2 器出鈴玉賞人切よはっそり2~ 8 302器出剱玉値台、842器出剱王玄寺、プン介を8 御処理において、CPU56は、まず、スイッチ回路5 テスセポコSE図、影から計多(082℃でテス) 更吸 生すると、CPU56は、図32に示すレジスタの退避 新な公階マト々、数370~元改(GIS~IISででそ ス) 行実の野処外関係をわまろ野吸ぐトト【0000】

エ)される母発は肝智和さな要処プンプ点が果材の多、九 CFPA型処袖鑑常異のマ酥フでよるJ鉛機補鑑与自るいフ れるえ前35部A部内の数対強にくそい、ラム次【0120】 。(182ででそれ: 野処モでトス)

**多型処るで孫更多動!くぐたのをくぐたのめ式るで気尘** 。るないよっるれる値域の毎8m2お興政衛制技数、お)06 多機店用動機成びよな機店用示奏、ぶるち、お88U9 ○。( £82℃ペラス) で行き野処さを確更き動インや たのをくぐれ各のあれるで和土多機店用気件各の等機店 の用気件の置るれる43周の間は対数、53次【1120】 。(2827ぐぞス: 野吸ーや

**店用宝水甕状ひもは矮店用宝丸嫌うくぐそ、焼店用宝咩** であの乱数があり、初期値用乱数として、普通図柄当り るで宝央全帯図1引るわま310 [ 器示表帯図証普 , フし よ媒店用示表。る&な(機店用玄夫競状)機店のめよる で気形へ合へるでうでやし買人V多武群昭内○02置装 報賞人変i□ ス/ 多じ 殊O 憩状 対 動 立 材 ひ も よ 、 ( 姓 店 用 京 **央域1くぐそ) 凌店のめぶるを宝夾を竣りくぐそ離辮大** 最るわな3次数で世大、漢店用家件で芒帝図配替、ブリ 3 楼店用宝伴、お53銀不の故実のコ、おな【2 I 2 0 】 。(382,482℃で元尺) 6計

。るれち飛更30中野処各73 ふい親状対数、お前のセミてスサロで、フノチ。それち 計実 フ れ ち 出 ひ 飯 な 更 処 る す ど 嫡 フ た が ふ り そ て ス サ ロ てのあれるも南浦ケネ訓の宝布多数対数にくそバフン点 スが設地対数、おいて時間スカロで。(882でペネス) ð 【0213】256に、CPU56は、プロセス処理を行 。るるな矮店のあれるで気み予期期間の幾

02 表帝図画者、おう野吸スサロで帝図画者。(788℃で マス)で行る野吸スサロで研図配替、オま【4120】

計数31 F O B Sででそれ、影の多。各を冒蓋多りくマロ **邸陽示表るを示計多歴図上引くマに邸陽示表るを示** 計多( 。るするるれる示表変而が字数の [ 9 ] ~ [ I ] 、おろ例のろ) 値変の 种図る わおひ 6 2 2 9 8 2 2 国 美 示表変厄の依がるを吠辟多激状率鞘、ブリ校3108 建基 邸佛示秀、おい的科具。そ行多暗陽のあれるを成野多態 20

移318082ででそれ、されし配路は間限値変の値変所 図: (7038でで元人) 野処中値変耐図【6220】 。るも更変多動のセミヒスサロビスけるよるも

てからよるも行移の0032ででそれ、影の子。各も宝 場る(サミて変動中やサミて変動高るも近針) サミて皓 内るを関ぶ銀状率新、パま。るを言ੱ送を7くマに略時示 表るを示計を山尊の健変の所図、プリ校3108 建基間帰 示表: (8032ででぞれ) 野吸山南酔図【0830】

。されち用動ぶるよの下以、幻機店 各。各本で図明競を示う機店各、おり46年、日間のである。各

。 る も 更 変 多 動 の せ そ て ス サ ロ

図配着)るで宝光 体否体 る サミ 半 乗 多 ( 芒 ) で ふ き ふ 所 の C 図画者をわまの01器示表所図画者: 3.4をくそ(1)

(用宝丸竣斗くぐそ) るを宝夾多竣斗 くやそ誘辮大量をわまり対難で半大:8~をくそ(2)

(用宝秀動時低るムやく そ) るで宝光を加膜((のるんだくそ:8 んだくそ(8)

そ)るも玄水多動棋所のるみをくそ:6 みをくそ(4)

共多總状対強の多下郊対強で芒大:0 I Aをくそ(3) (用気免動既低るムやく

るも玄水多動現所の0 [ ムやくそ: [ 「ムやくそ ( 8 ) (用宝光憩状) るで宝

ところらの用を囲かって、他の範囲をそりらの 竣店る を関3) 研図配普の 代以 竣店の (8) ~ (I) 551 、ころされるな高多果校技数、おな。さるて凌店用動陳氏 おいれま遂店用示表や竣店の代以され子、Cもつ竣店用宝 はなるれろ、されなす。c 行ふ( 草瓜 I ) てゃてイくや れのやくでれのあれるで<u>和</u>业多用宝光憩状の(2) ひよ おĞ店用宝光送すぐでその(2)、送店用宝牌が芒酢図 配着の(I) なるとして、よりの音画を表して、(I)の普通 おの野政的情技強が行き示いるを図、みな【2620】 (用宝夾動閧(は01 ムをくそ)

戎仏楼1くもそ誘継大量がれる示が闘立、よるを姪ーが 前れたち元が励さのるを図め前のさんをくそれたち出的 、さけなす。るれち宝歩ンがれずいのうくぐそる [~8 、プリム機引くやそ誘辮大量、おう駆派の前実のコ、コメ るまで示すると図。るもで図明端を示き附一の刹関の る動気件のあれるで宝好き渡りくぐそ誘辮大量 5 (3 A をいで)機店用家共機引くむで、お136図【6620】 6533°

> かった場合には、ステップSSOOに移行するように **ぬ賞人∨。るで更変多動のそそにスタロで316よるを行** 移ぶ6032ででそス バルデき敷断の激状率新るを関ぶ 憩状対強の對対数で世大心よは竣りてぐる結構大量を付 。るを更変多動のセミヒスサロとおそよるを行 01 みお(懇決技遊字符)技遊で些大、終過発間関校育王家 群、ブリシ型鉄のCビ大、おJSI合製式であな覚入V。る を露郵 本否 本 オ ト 本 本 は 黄 人 V ン 4 中 間 関 校 身 王 玄 寺 : ( 2 032てでそれ) 野吸室性熱状対截気替【6330】 02に移行するようにプロセスフラグの値を変更する。 220を閉鎖するための処理を行った後、ステップ55 **園 選択買人変に、うるも 風 斜心間 関加 関 ○ 0 2 2 園 基 収** 貫入変币、ブンチ。6行多(玄蟾るよがてェウイてい) **宝媛の間槻校斉王宝寺 、31ð 5 5 5 行 5 略眺のめかる** を放開多022置装粒賞人変向わ式楼回家飛びよは間膜

3) :表示制御基板80や2ンプ制御基板35に対し 0224~そス) 野政前治開インセモ 【り220】 。るで更変を動のせそにたせロで

る。その後、ステップSSO4に移行するようにプロセ で、ラウンド開始を指示するためのコマンドを送信す

。るも更変多動のせそでス

。るも更変多動のせそCスサ ロてのでよるも行移のるのるとででそれ、おの合助かれ る出験が正質人の間の I プァよごり d d 2 2 2 g a g 2 2 2 g b によって 1 0 個の入賞玉が検出さ 出勢王寛人37前以るを下谿回8 「 なれぐ ト や 関関 、 お」か き、ふるも下終回81かパセトや問題。るも財盟を心否 cdがれる出験や正質人の間0Iプによびd 822 , B 8 2.2器出対正賞人、おれま、本下終回8.1 やれセトや関 開: (100524でそれ) 野吸中すくたそ【6220】

コイムるも行移コカのるとでででス、き合則るいてし重 Ji数インセミ熱燃大量、Jiま 。るを更変多動のセミヒス かなければ、ステップ、SSOGに移行するようにプロセ 買人V。るを更変多動のセミCスサロてコさよるを計移 31E032とででそれ制作も位置人V、J短額位否のから 聶: (3032℃セネス) 野処短勤賞人V【8220】

**冒ੱ込ますべいにのめれるで示計を「殊態状対数取群、ブ** ○大313 € 改基 即帰てくそ今 0 8 改基 即帰元表: ( 8 032とででそれ) 野吸下辨謝状対鉱気計 [8220] 。るれち宝媛体感状いなし賞人体根対強が製験宝寺づ 的てエウイてい、おうりいくで発展、されなす。るも財 無きてし置人体和技趣 5/ 対節 京寺 、 ブいお 5/ 引く ぐ そ 舛 最、幻與手廊陽対強、バま。るを幻惑状いがなし覚人な 税対強の対策・多022置装税賞人変に、ファよン) 速断しないな位置に維持する(上部に迅速したまま)こと **副漿店各式はち示3146四 、式ま 。&ィンすれるィン用ゟ等 の4 多式前の242円入受事替を4642 , 8642体格値** 「「」、よりえ内。 るせち小変き 新部内の022 置装 投資人 変に、お段手略時表数、おう(イくやその回るを定一ぶ 楼引くむそ誘辮大量) 引くむそ落量 、おお【7220】 。るも更変多動のせそCスサロで

°9426 「お(「+動大量) 、おう懇(の 敬美の ご、はな。( 6 ISSででそれ) \*東国303動1くたれ 、(SISSで ペラス) おJJ合根るインマなJJ上以([+面大量) 放動 ひをくけたのめぶるを無重をるとをくそ。(11227 でそれ)るも1+多動のをくぐたのめれるも効型を(機 店用玄夾送りくひそ) るんをくそ、オま【9820】 るたが必要値にもとづいて、数値の更新を維結する。 **科界3/段手動語を一下確変、3/合脚よし日東な給サ代節** もバッケアップRAMに形成される。遊技制御手段は、 マてでい動棋所用るムをくで、、され、るれち見い動奇界 い胡人牧献電おい合思ホインプルを存みが動のるムをくで JUMA Aてゃてペペパ、、なるれる科料3) ャてゃい面膜低 用ムやくそはしと「フノム動期所おりが独一おりょきしかれ ち人母心歌雷7)勝式逝、おな。されち更変心動期所のを くてれのあれるを放出るさんをくで、ブ点制のコ、ブァ よ。(7022℃ゃそス)るも宝鵄31をくせたのあれる

。るれる気法の MARと。てんでいきゃてゃい動腹成用るムをくそ、ゴ ま。るれる見び動容界の部人致歌雷おの合果からです たるが、バックアップRAMにランダム6の値が保存さ ち宝鵄31をくたたのめかるも就业を84をくらは[0] てしる前期はひきとかれる人姓や敵軍の数技強、は な。るれち更変は動膜所のをくぐれのめれるを放出を3 05 ムやくそ、ケ点部のコ、ファル。(7128でゃそん) るも宝鑑31をくぐれのめれるも効型を34をくそ、多 動みれる出転、(8128てぐぞ尽)がもちちをも存 る出献、プレチ。るで代人を耐ィくでたのをくでたのめ オるを放出を9ムをくそ、さんなも。(8128ででき ス) さを出曲多(漢店用気労動既成 3 ムをくそ) 6 ムを くそ、おろら根オイノアノ産ー。るるつままのそれ面十く たれ、おれわないプリ歴―。(4122下でそれ)るも 電子がよっています。 現代 は、 これ (1) では、 これ (1) では (1) 【0240】そして、CPU56は、ランダム6を生成

多IIAやいそ、されなで。(8222とでゃそん)るで 02 を放出なるAやいそ、全面Aれち出曲、(8022とでゃ 出帖多(淺店用宝英動財団の「ムヤくそ)「「ムヤくそ たりント値はそのままである。一致していた場合には、 、別れわないてし定一。(1228℃~それ)をも臨新 休否は式し渡ーと動るいてれる存果のマイベバ動期低用 0 [ Aをくそつしる動棋内が動のをくせたのめれるで気 【0242】そりに、CPU56は、ランダム10を生 25B5.

「お(【+動大量) 、おう感状の敵実のこ、なな。(と

動のをくされのあれるを放出る012をくさ。(122 2でゃそれ) るも [ + 季動のやくたれのめれるも熟土季

222とでペモス) を見び0含動すべたた , (2222

てゃそん) おの合思るいファなの上以([+動大量)な 04

高ファギスリンドドインできる熱奇賊の苦技逝、プのるれち 氏辞が残〉いて、を替び、おおい、皆枝遊、おい。合思なで行 01 多元表なさよのう。いよきてしづきよるを示表を強って **やそ誘拗大量の前的関イくやその前ものようくやそ終**量 式し本校37月くたで誘辮大量、J示表を竣力を削や竣み 前台間のインやそ各、し示表を嫌いな少まのよ機とくか そ誘拗大量がけち宝歩、おい前計開い対数で半大、がま 。いよさ
フ
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示
表 変厄の研図、ないよるフリ示表をその果結宝券、合製の う。されち示表プいな31622器示表接回熱難びよな8 S 2 器示表機勘賞人 、31前るれち始開や敖逝の芒大 、知 え内、お残りくぐら誘拗大量がれち宝央【4620】

。るあつ銀状いを今し賞人Vきひよ憩状率新 型、ブいな习姿式して 殊体 技動の ど大、おり 透水率 新中 。るあつ激壮いを今し賞人Vゟひも激壮率新中 、フィルは スト多式して外体対数で世大、よりと意状率新高。 るもで図 源状) 0 [ 4をくそれれを出帐、約 8 区図 [ 6 8 2 0 ] 。 るきづなもコクロである。

+動大量)、対う激状の敵実のコ、はな。(6022℃ ペテス) \*晃31&多動インウセ , (2022℃ペテス) おの合思るいファホンは(【+動大量) 体動のをくや たっぴるを放生を己んなくた。(1022とでそれ) るで「+多面のをくぐれのあれるで放出を(機店用家 において、CPU56は、ランダム5(普通図柄当り判 野吸帯更透店用玄伴。6 & 5 イーャモーロCを示る例— の(882ででそれ) 野処禘更竣店用宝牌るれち行実プ 野政略開表強力なるである。 といる 「10237と遊技制御処理 。るれる示秀が果茘取労るベファ計多出家の等示表変に の 内図、 おう意味の 前集の こ、 はいよき こし 示表 ふれの 果諾宝舟、合製の子。るあつ耐図のめれるを庇弉多果詩 宝夾の憩状対数の針下外対数で半大、おいる种図は蜂ぶれ る示ふるを図。るれる成粋の各技数でい用をもらる。8 S S 置莠示表変而 , 51 影下熱の麸逝 () 栏大 , 知果詩家 戎、なな。るで宝戎多證状麸蟞の釣て郊麸逝の芒大、ブ J
薄払るよ( [ [ ~ 0 ) 動気性 るい プ れ を 嫌 語 3 脚 立 のるを図る前出曲されなす、ブルプとより利関がれる示 こにおいて、ランダム10を抽出し、抽出値と図36に

そス) 3/3 ム と と を を 存す る ファ しゃ が 前 時 所 用 る ム を く そ フし**も動**既研を動ふれる出
・プしろ。&をたんを動す くされのもくされのあれるも就主を8ムをくさ、さけむ す。(3028℃ ぐそス) るも出曲多(竣店用宝好動哦 あるとてしていた場合には、テンダム8 (ランダム5初 あつままの子が面インでは、おけれないプリ姪一。(4 052とででたりるも臨動心否やなし定一と前をいて れる容易 シャイベバ 動態 低用 さんをくそ ブリム 動態 成社 動のもくせたのめれるも板土をさんやくそ(8820) 1) [X] 4 CRS°

である (限巻 8 医図 , L T 】 おみま L E 】 , L I 】 おり 例の3) 科図変勤高な科図山引かれる示表3/622,8 SS置装示表変に、別れれな了想状変新【8420】 。各も下鉢を野処下鉢山南桥図 , (3832とででた) J 禘更 5/ 動力 し 点 大 5 0 0 0 0 8 と で で テ ス ) 野 処 常 祇 多 45CX40C, JJ5 . (E838C. FX) 641 でサリタセミC率が込むよせこC率が中、セミC変が 高、おれるい想状変新。(2862てペラス) るも窓部 ☆否へのるあろり(競別率新型おびま製力率新中、競別率

83SCゃそス) し帝更の前れつ初校の(0038℃。 マス) 野吸常面をひそてスサロで、ブンチ。(6882 てゃそろ) るもりゃせるせそて変動高 、わの合能なっる ラ耐図変動高。(4862℃でそれ)るを臨勤心否心が

6)、 図柄停止終了処理を終了する。

合脚式であつ研図変動中が研図11割、パま【8420】

。さずて殊を更処で終止終了必種を終了する。 モス) J 葆更 31 動 式 し 立 は な り し る と て で そ え ) 更 吸 常配をセミてスサロで、ブンチ。(7832でで元人) るす! 、 するせそて変動中 、 ( 788とて ぐそ た) おりょ

姚多野吸下熱山専府図 、(8888℃でそれ) J帝更3 前パンが校21(0082てペモス) 野吸常亜多せそてス 4DC '272 ° (689SC ~ 4X) 841 ~ 434 そて変新型、おい合果式であつ(所図いなもつ研図変新 「0250」停止図柄が低確率図柄(高確変図柄でも中

想为率新型、C&フ熱外をいてれるイベサがどそて変新 中、北部状率新中、ひあう意状るいづれるイッサがせき て変新高、幻想状率新高、おな。るれち更実ファよびら ろももおが変き遺解暗内の022置装粧質人変に、お憩 状のパラパラ。るを3週光率新型おれま選状率新中、週 状、お段手畸哺麸強、ふ多式して殊体想状対強宝群、ブ しう。るで宝光体のるでも想状率新型、体のるでも想 状率新中、��のるする憩状率新高、ブルでもきび(0I

ムやくで) 遊店の宝雨、体( 。るいフパも歴実でてェウ

イマ(おろ)(昭本具) 段手気先感状るあび暗一の段手瞬時

| 「0251 | 以上のように、この表施の部等では、遊技

145.

お(憩状率新辺おバま憩状率新中、憩状率新高)憩状変 04 51上以(I+前大量) 改動のをくぐせのめれるで加土を 節、56を主体熱状対数気持づ次、ブンチ【2620】 。さるつ意状さいてれちイッサがせそて変新型、お

図るわまの622,822置装示表変厄るゆひして鉢体 熱状対数気材 、おう熱沢の敵実のコ、なな【 8 8 2 0 ] 終了する。

おせてて変動中、せてて変動高、おり「4図【4620】 。いよもプリス/もよるよく行わ前の意 るよい段手宝光憩状、ながれ合計な成時るよい値変の耐

置義和貴人変により切り駆状す。すのせそて変新型もよ

&れるも明鵠多(小変の歯構暗内)小変の感状の022 02 顧高) 敷状変誦32環 , ぴょりぶ 。( I 83 2 2 ~ < 天 ) そ 行多野吸るも計送るドベマに宝新を示る山尊値変の所図 において、CPU56は、表示制御基板80に対して、 (野域るせる山南多出版るより健変帝図のあれるで成群 多感状対数の影下殊対数(ど大) 野処山県科図 。るもう イーチモーロCを示参門―の(野吸上専歴図)8032

てでそれるわまの理吸スサロで、おり4図【7420】 1)は、ランダム10の場合と同様に12である。 +動大量) 、おな。(9632とでゃそス) を見ひのき 動すくでみ、(86222ででス) おの合助るいファカ I I Aをくそ。(7622とてぐそれ) るも I + 含動のを くたたのめがるを放出る(漢店用玄光前限成0 [ ムやく

[0546] FLT, CPU5612, 55\$611 (5

で、\*\*\* ( [ + 動大量) 、 はな。( 0 8 2 2 とて c 元 x ) を

見310多動イベウは、(BESSででそれ) おぶ合果る いファおコユ以(【+動大量) な動のをくぐれのあぶる

を加土をOAをCそ。(46227ぐそス)るも I+を

動のをくぐれのめ式るも効±多(竣店用宝労動棋は8.4

4 [ 3) 禁同と合製のるみをくそ、お([+動大量)、ま

な。(6628ででそれ)を見び6多動インウは、(2

母) な動のをくぐたのめおるを放出を8 Aをくそ。(I

ESSででそれ)るすⅠ+含剤のたくたれのあれるも効

**业多(淺店用宝舟動膜(でるんやくで)8 んやくで , お) 8** 

【0244】初期値用乱数更新処理において、CPU5

あつイーャモーロCを示る例一の野処帝更姓店用動棋 (8 I Sてでそれ) るれち計実し虱で繰び (間部の)

まるも主発心公階マトを2m2の回次、影下殊野処邸帰

**対逝)間却で余払膺るいよい野吸ぐトトパれち示い 8図** 

野吸略時対数が付き示いるを図 まりをを図【を420】 。るを誘蹠を罹更の動機、ブルンともつが動機をい

プれち科界の段手割席を一マ値変、スパ合脚式し日貮体給

サ代電、対現手畸陽技数。& たれち気活びMA Aででてせ

でパタャワペハ動現所用014をくそ、がま。各れち晃

「Aをくそ3)MAAでやてもゃい、、ぬるれち宝鶏3)をく ぐれのめれるも効±多01Aをくぞはし0] ブしょ前限

低いきょれたる人致や敵軍の勢対逝、はな。るれち更変

な動棋所のをくされのあれるも効主を0 [ ムをくそ , ブ 点部のコ ,ファよ 。( 7222とて e そえ) る を 宝 気 は う

そくされのあれるを放出る014をして、多動れれる出 断 , (るなるとででたた) がよりもよるも存取がってゃい

23

OL 3/動存界3/結及投票部よび1分割が1000

,(382てゃそス)のようろおお行実回ITいはの

°942

[0542] #K, CPU5614, 57469 (574 30

類状い同ろ類状常断多類状率新型、なるなで類状いがな J賞人 V ð C も態状変新中が態状常重 、C & ケ窓状いぶ

95

よってV入賞しがたい状態にするようにしてもよい。 いっておれたように、さらに関口232も制御することに (A) I 4図、>なつむぶるもるも略鳴多d E 4 2、B カンド数に対応したラウンドにおいて、可動部材243 そ誘辮大量、やかし示例をもつるもろ過れいかなし貫入 Vファよびよる(ままなし)選及び第上) るを特殊が置か 4.1なし問題多式前の242口人受宝特をdE42,bE 4.2 村陪健厄、合斟の予、ブン予。されち宝鑑50.銀状い それし点状の(イベヤモがれる宝光ブパケムよう)84枚 ぐそ) 残りてぐそ誘難大量をわまい割状対数で置大、50 そよれし近上、おう意派の故実のコ、オま【8620】 \*1792721

**する重変が動態所のをくぐれのめがるで加里多り** 「 A 使いらひよみるムをくら、さんをして、プリケムをお加 の機店用剤期で、パカ出帯が機店用剤期で、こるを高! 込むしてされのもくされのあれるも気生を(012を) そ)竣店用家先邀状ひよは(るムやくそ)竣店用家先竣 インウモ 、(るムヤンモ) 送出用宝牌(2世科図画書 、知 で設法の前実の3、対そよがし即端が上以【6250】

ふるおび類因む よっるも成分をペンミトをるも主発が面の0 I ムをくそ 式U立JI機をも4. 想状率新高JI影下外技逝で些大、代く ミト々るも主発体前の8ムやくそぶつ点50後7くせそ語 **株大量いき大き量、といミトをるを主発が動のさるをい** そるで茂一い動気性の半の科図配替、ブルプとも20号部 のろ、きてしょれきで断離を导言される代出る本 1 6 対 基主がえ内ファよい段手の等るを施替を承基五不の数数 逝、うのるおぶんをくそめ前期所のをくせれのあれるす る。ランダム5、ランダム6もよびランダム10を生成

我越、おう選派の就実のコ、ぶるよの土以【0 2 5 0】

手禘更前機用宝牌の用機回頭上、え勘多と段手宝疣機回 02 体し賞人V&♡よ憩状常重いなおで(憩状率新型おバま 風土るを宝央多楼回駅上静琳のすくぐそるがは3週代数 載でど大ブいてよよびよ(動気性の用気光焼きくせられ ▽懇沃の就実のコ) 動気性の気荷ろ動機がれる出酢、J ムやくでおう意派の前実の3) 段手務更創機用気降の用 れるい用い気件の竣回期上誘拗の1くぐそるがおい意味 **大型立計 、0.あで銷口なよこるせる語難し返り繋びまる** を螫こり(回己 「おう憩派の敵実のコ) 幾回別上誘継を引 くやその宝雨、ブルプとようい立気の神条結雑るよびよう るで質人がSPS口人受気符のアンろ刺蛸気砕が救対逝 、フィノはい意状対越宝詩 、ファあう鎖厄略帰い態状対逝 宝寺るなる쇼(るれち気帯プハセトや関開の回8 I 、対 **| 5 題紙の動実の3) 引くやその幾回宝雨な味育プァム3**/4 

题状率新中、题状率新哥) 题状変新 、划题状率新型 、水 ま。るいてれる示例は合即さを放開わぶ回 [ 」よりひ [ 4図、休るあなよっるも放開回機動ブンゴスが出鉄の器出 新五旗台、より022置葵枝貫人変币 、おむ【7220】 。るな3)熱状いを今し貫入Vもひよ憩

状率新中、幻想状率新高、きる位とこのコ、ブc 並。&

しノイド245によって、可動部材243a,243b

で、、パま。るない窓状いを今し貫入Vさびよ窓状率新中

、お郎状率郵高、ブc 並。い見ファ北合財の憩状率新中

、お間膜玄液るあい熱状験関。るない激状験間間膜玄液

☆さとと口間ファネン13 E 2 3 1 1 2 1 3 5 からとしまって関口で 3 5 か

放開間膜宝荷ファよンJd 4224 , 84227トトノリンは

(d & S S , s & S S S 升間開北) S)(治科具) 0 S S 置装稅 賞人変厄フン丸3)出勢の粮麸逝るよ3)器出勢玉値鈴、お

【0256】図41(C)に示すように、高確率状態で

۰¢

。るなコメ激状ィメストは、遺入V 田郷は、さけなで。るない想状いがなし質人から42日 3 b に受いするもれないので、比較的遊技球が特定受人 10 42、42の前方はおけてが動部材243a,24 **替わ取対逝、ファ新。(ままぶし徴返い暗土)るれち詩** 株式置かいなし視點を亢前の2 4 2 □人受宝特やd E 4 **ぬると2口間ファよい3と23トトノリソ、J放開間膜宝** RSSB) がソレノイド224a, 224bによって所 .B 6 2 2 片関関わび内本具) 0 2 2 置装板賞人変でフ ひふび出教の我対強るよび器出教王婕龄、おう憩状率新 型、5164を示す(A) [4図 685回とく)に示すように、低

表置によって特別装置作動領域544に誘導される。そ 草糖は叔女班式いてJ留領37階四のS48特階事務、J

闘玄府ぶ口値台、お呼針。るを放開な口貫人大、寛再 、0別るいてし誘難は時齢、プレチ。るも短間却口賞人 大ちるを賞人ぶ口賞人大が叙表戴の(卧01站を附)卧 宝府、ブルはこり(そくぐらみ)間膜効開各【8820】 プによぶるさなが態状放開故 I G B 动関関 , がま 。 る なびとこれし貫入び口値的とそれを出めてでよび602 るキャトス口値的れるせる連回ファよこ) 1.2.8 本連回社 受施電服券、おお部での122本流回されよい023置 装賞人値台、れるい窓は「23本清回おり028選装賞 人値台、はな。るれち藝穂31643時前面、北板技動 かった場合には、誘導部材542の凹部に停留していた プ研図れでおな(研図14) 果結示表変向の研図室件る 01 tいおろいるI B 圏装示表変に 。るを行移31 (想状対数で) 大) 憩状対強気材いを今し賞人体校対数プし効開体口賞 人大、ふるで。るれる出勢ファねるりょりなるキャトス口 機能が投表数の子、よるを賞人び(例─の慰爵機的)□ 値拾るわな31026置装賞人値始や放放遊ブいな31額状 サンサル 特別装置作動領域の44に続けられているセンサ

基主。るを即説プいてい計値の数技趣が次【6820】 置に相当する。 装賞人変に限替な鎖に外変が親状な所育ファムの皆対難 、休己己呂置装和賞人変厄、おう歌派の前実のコ、バネ 。いよきてJ 3) さまる も示表変 口 5 置装示表変 口の C I

CPU56およびROM54, RAM55等の周辺回路 、おろみ基主、ろみ語しく合製の2、「感染の敵実。るい

フパら置始が等が基限雷るで育多敵雷てゃてせゃいひよ

は、遊技制御基板(主基板)、払出制御基板、ランブ制 面真の数対逝、よう想派の前実のコ、おお【8820】

う。るれる出いなすしく品景が教技数の勘宝液、とるれ

ち出鉢体粒対数のBICCモットスインでは。CAS出

**鉢ファよコシょ I 己 己モットスインやなお淑技逝ぶし賞人** 

3)口賞人大フィルは3)中親状技趣宝詩、パま【7820】 。るも気間お口賞人大ちるも歐谿な間部放開きてくなり

牽ス別園宝液体機貫人 、れるぬ好体(株と . 6 2 ねえ例)

間部対開フィノCろり放開各、おな。るを下落体態状対逝

宝寺し滅消却呼酔の多、却30合脚され合計は(賞人の報

新恵再 、51中誘蛛の味齢 、しざれ。 るを誘蛛でまるを買

人や牧技蔵の(間 3 1 おれま聞 8 おう感染の誠実のろ)

。るを効悶却口質人大くるな习機宝液体

02 主発体で置くるあつ 神図(計) 東部示表変 「□の科図式件るtiおJiSIZIZ置装示表変に【3320】 。るれる出いなてしる品量体粒

る処理が、そのプログラムに相当する。 けることのことででそれの計。される更実プムそせ口で あず計実なるといろのもよびCPUちらが実行する 実のコ 、お妈手宝光燃回脚土 、はな 。 るきかならこる す 3)譲困をもこるを宝券さん陪代數技逝をせてミトをるで 度一3/面の気液体面残るれるい用3/ながるを気患を送げ くりそるわばい競牧技強気持るを闡鳴い(競牧が呼音) c 3 3/ 告对逝) 激状(0 1 策多 置装賞 人変 向限 群 , 果 詩(0 、ミトセるで
定一
も動
家件
の
宝 所
め
動
機
る
れ
ち
飛
更
つ
段

た1103盤対数。&もつ図面五式れる位面五き103 盤大並の数式強にくそい種名籍は124回。各もづかよこ るも用面もの数技強にくそい動を策划即発本、やれしろ **网络熱技強にくそい種2策おおま機技強にくそい種1策** 、おげず懇弐の誠実各の話土 . と懇弐の故実【1820】

なるで世るるで「殊体示表変厄ア競先式し山身体でくそ ○○ 、フリチ。るれちかな示表変币ファよぶょうるをで 点の耳交体でくそのでく、ひなる体でくそのでくれた体 おな (×3○ , おづ例の3) 研図 いれずれず , おり 1 8 器示表兩図重普、おう意派の誠実のこ。それち計開始示 。されち苅開��口賞人大 OS BIICもでしたイーヤし断重多IICイーヤ������� 。るうプリオを708製剤技数、影の多、U人コリ708 対筋対数プで重き間のよる0 8 パーリ内 5 1 0 8 パーリ 代、お籾茨強いたは発る本置装は発松け【2020】 。されるや内別部に調査の本本の数対数にくそい

お、残基時間科図、残基時間接乗、強基時間音、強基時 04 47つ留間が出出の243特別と続いますの143十~ マ帝図写呼ば引置表限寺、お叔敖逝、おう中健変O帝図 **京伴るわおり2Ⅰ2置装示表変厄 、オま 。るいフれもむ** に動権出手段としての図柄がイースオッチ541aが設 るも出対多税技数がし過重多「404~7种図宝件値引 置装収替、おJAR暗の [ 4 8 4 ~ 7 科図 5 件値判置装収 計、はな。るめ鉛多元表変向が所図宝牌フィJはJJ I B 置表限許されまかり43階夢蕎、釣の子。各人から63 材部代隷 、スタきろうられる出鉢である68キャトス□ 。るな70激状式し効関体263口賞人玄群ブし値引体0 33日となった場合には、普通電動役物55

対型の勘宝雨、3 & 4 を出動や粒対数で B 2 € 8 モット ス□買人気計びもおよる16 , s d l d , s b l d , s 513キットス口貫人。&みお出動でB313、B31 る , B 4 L 3 , B E L 3 モットス口賞人 , 内今 ホラ , お) 夏人童晋、ブルルは1100で対策対数、おな【1020】

**쀩辟散値斜、辟散の芒大るれる給払ろはーェコンに用野** 音ルーホがえ例、対芻手商制裁数、318ち。(8552

るまるできる機動のセーチ各、3165。(0462)。

モットス口賞人、北段手略陽敖敬、プンチ【8720】

。(【462てぐそれ)るえきコセーチ各

てゃそス) るを代出を合計機感のドトくりいのきょかし 立気体科条の玄液、制段手畸制対数、パま【 Γ Γ 2 0 】

°(68884 でそろうでいる型処代出時間るで代出多々~その当な時

**、 は成品の代以るれ多、であ了機店用宝牌なるれ多、さな** おす。そ行多(貧成!)でゃてインやれのをくぐれのあ 式るで放出る機店用気件で芒酔図気件の(δ)でよば機 店用宝光送7 くぐその(2) 、選店用宝牌で芒科図画普 の(1) 、お毀手畸婦技趣、おび 8 8 8 8 8 8 7 ペラスるわ は3) 野域時間を表現される下のです。 図43 [1820] (用玄光動脾味 SIAをくそ)

るで宝光を副既成の2「ムやくそ:6「んやくそ(8)

を宝光を0世 >でもも55种図宝牌:5 L AをCそ(3)

そ)るも宝央を動機内のるムをくそ: 8 ムをくそ(4)

そ) る t 宝 水 き 前 限 休 の さ ム を く そ : 8 ム を く そ ( E )

売き機回誘難すべたその部主発体動: 8 ムをくそ(2)

**画普)るで宝夾休否休るせち出発さり半 >でもも37科図** 配着るれは30 I 3器示表研図配音: 3 Aをくぐ(I)

名。各も7図明端を示き機品各、おり4は、各人の1028の1

**しいくよるれち行実フィいおい野吸ぐトトお町吸暇帰麸逝** 、れちななもの1でものとうてを示るころれし出発がし

階別え例おう野処公階マトを、なるいフれち行実や野処 南陽技強で野処公鳴マト々、おう憩泳の敵実のコ、おな

は、遊技制御処理は2ms毎に起動されることになる。 予慰讯の前実のコ、フゃよい略陽の土以【8 7 2 0】

。(4482ででそれ)るも玄張の懇状而稽仏階、(8

う。6を破滅を置装出法税でして成立にでは開出法を

板に搭載されている払出制御用CPUは、 賞球個数を示 基南浦出址。るを代出多りてマロ南浦出址を示多楼勘報

賞3/| 改基略帰出は、プン点3/| 出勢賞入 > でもも3/1とづか

Jン本放等 B [ 3 3 キャトスインセカ , B 3 [ 3 , B 3

I B 、B L I B 、B E I B モットス口賞人、おりひ的科具

。(2488℃でそれ)るも計実多更吸収費さ行きさな 京媛の機勘税質〉とう♪ 3/号割出剱の等 B I C C モット

462てビネス) せる駅動き容内のせんでし、鈴の

(用気光動膜低 8 4 をく

(用気光動膜低 3 ムやく

(用気)はの芒酔図

የነዝ ዓ ጋ

(用宝戎璘1 くやそ) るす宝

。されち用動ひもろして以、紅漆店

亜省の代以後店の(8)~(Ⅰ)語土 、57巻オるめ高ま O2 てゃそス:野処略鳴りくマロ)そ行き野処をを冒送きす 果校対数、おな。るあう淺店用動牌低払対象淺店用示表

ぐマに略帰示表プリ宝鑑30製剤の宝荷の38MA Я № 1 ぐマに暇帰示表、約段手邸鳴敖数、つい次【8 7 2 0】 。6.4.7.銷厄行実3.耕同3(開巻6.2

図) 合製の「熟氷の敵実」、お野吸スサロで林図鉱管、は な。るれち帝更31中野処各フン点32歳状技逝、お前の

せそてスサロで研図証普、ブンラ。るれち行実ブれち出 い野心野処をもど残ったがいせるになって、神図証券の **兩図重普 、割で野処スサロで 耐図重普 。(7888℃** で 。される飛更30中野処各プリ流35

懇状対数、お面のせそてスサロで、フノチ。るれち計実 フれち出び選が理域るすど嬉ファがコケモにたサロでの あれる す職局 7 名削の 宝 南 4 数 数 逝 に く そ バ フ じ 点 い 説 状対数、却づ略はスタロで。(る & & & とでゃそス) で計 多型処スサロて、払妈手略帰麸逝、3165【4720】 。るるな機店のあれるも宝丸多動膜研の機店用宝件でど り判定用乱数)がある。初期値用乱数として、普通図柄 **兩図宝牌ひよは、(漢店用宝先竣えくぐそ) 竣店の仓**よ るで宝光多楼回読琳7 くぐその憩状対截宝券、機店用宝

(10273) はんど は (1273) は (1273) は (1273) は (1273) 。るる社等機店のあれるで宝丸多种図山勢

の構図式件を付まる1212間表示表変に、フリム機店用 示表 、切ろ懲汛の敵実のコ、みな。(己EE呂、,4EE 2てでそれ) そ行多野吸るを確更多動すくたれのをくた 機品用気性各されるい用の崎財動 、37次【2720】

たのめがるを効业を竣店用前期所がもは竣店用示表 、34 るち、幻災手晒晴��趣。( 6 6 6 8 とてゃそれ) で行き野 02 吸るで罹更を動すくされのをくされ各のあれるで烈主を 。(2552でデス:野処ーさ

エ) それる母祭が辞替れるな要处でいふい果林の多、れ

れるえ歌37昭内の数対逝にくそい、プい次【I 720】 。(1662てでそれ: 野吸モでトス) 6計を取伴 るキャトスインやは、BSE3キャトス口賞人宝舒、B

るld, sdld, s 4 ld, s E l d f v トス口賞 スインウは、B B I B は B B I B は B B I B は B I B B I B B I B B I B B I B B I B B I B B I B B I B B I B B I B B I B B I B I B B I B を訂実多型処略帰敖強の2462~1662ででそれ を示いて 4図、影式で計多(OIE Sででそれ) 野吸逝 発体払階マト々、釣さして示体(318~118℃ ゃそ ス) 行実の野処が関係さわおの野処へトト【0720】

。るも於開冬野処ぐトトの耕同と野処かれる示

316図、5をなぶパペットへはんの子談1です 板における遊技制御手段(CPUおよびROM, RAM

**ゔ謝沢の献実のコ、おな。( € 0 € 2 ℃ ビデス ) を**見ぶ € 含動 インセホ 、(20€2て でそれ) おから はるい フ

そ、おろらかれてした一。それてままの子が前イくや た。まれれないプンダー。(40E2ででそれ) るも臨 那位否はないしな―と即るいてはちもおいてでい動現代 用るムヤくそフしる動機内が動のをくせたのあれるも気 ±多るAをくそ、お別手略陽表載、プし予【8820】 。る&でも「お」([+動大量) ,お

前、ブンチ。&を代人を動すべたれのなべたれのめがる も放出を8ムをくそ、されむす。(3052でぐぞス) るを出帖多(戊居用玄光前関(ひるとくで)8 ムをく

ムをくそ、プ点部のコ、プァよ。(7052てぐそべ)

な。るれち更変が動棋所のやくぐれのめれるで気尘する るで宝徳31々くぐたのめがるで加土をさんやくで、多動 スrtを出曲 、(3052ででた) かきょうそを存取が 

が、ランダム5用初期値がッファもバッカアップRAM ま。される見び動存界の制入投廠電おび合根がいてれ 02 ちな果な動の B A をんそい M A A A とってんぐい 、ぬるれ ち宝媛 ひゃくけれのめ かる 支 加土 かる と と く と し と ) てしる面膜低いきろれたる人致心動電の熱対強、は

を見5/0 多動インウセ , (2 I & Sでゃぞス) おりか合 思るいファなぶ上以(I+動大量) な動のをくぐたの& 14る(ステップS311)。 (11 € 2℃セデス) るも1 +多動のをくぐたのめ式るで気型多(矮店用宝先送りく でき) 84をくそ、知知手商制裁数、Aま【7820】 。それら気洗ろり

そ、たりから思えいてした。 あるてままのそわ動してか み、われわないプリダー。( 1 E Sてゃそス) るも臨 新位否のなし定一と前るいてれる存果ショマ にゃい 前膜内 用 3 ムをくそ ブ しょあ 取 所 が 動 の をく で た の め 式 る を 流 。 る & ひ 9 [ 1 1 ] ( I + 動大 量)

、わつ想讯の耐実のコ、みな。(EIESでゃそス)

ムヤくそ、ブ点却のコ、ブァよ。(7182てゃそス) 桩、ブンチ。るを代入多動インやなのをくぐなのめざる も初土を8.4とこととできた。(3162ででネス) るも出帖多(茂店用京丸前関(はるムやくで) 8 ムやく

ち宝鴉コキンウセのあれるで気土を 8.4 だくでは [0] な。るれち更変体動棋爪のやくぐれのあれるを放土を8 ゴホち出帖 、(8IE2ででそれ) コンきょうるを存取コン マイベバ動膜成用 8 ムをくさブしょ動膜低を動かれる出

というが動機をいて付き科別の選手が届き一で確認、50合 は式はまれる。 進技制御手段は、電力供給が復旧した場 MARででてせいパタマてゃい動陳成用 3ムをくそ、オ ま。られち晃い面容界の部人牧歌雷おの合脚から方は たるが、バッケアップRAMにランダム6の値が保存さ

図柄に関する乱数等も用いられている。また、図44に

のめ、ファあつ附一を囲躍るそりろの前機店各かれる示

を宝井31よコるを4种図のほど多种図式性土剤されなを 果部示表のSIB置装示表変に、JSを按一314代でい の動気はひどな動出前、J出航金動の212をくそ、5 るも出策多数技強なし監証を「464ー代酵図気は値引 ま行する。すなわち、プロセス処理において、CPU5 ロ フィンはつり (35627ペラス) 野吸スサロで、次33リ 12の値が当り判定値と一致するか否かの判定は、CP ムやくで、おな。るれち宝光とひどるよい种図式件、5 るも茂ーコ 「おかまる」、もは前の2 「 ムをくそれれち 出酢、おう蔥氷の敵実のコ、バイよを示いる 4図。るあ プ図明端を示る附─の系関のと動気件で置よ(21.4%) くそ) 機品用気件のど所図気件、おるり図【2820】 。る者でもよっるい用を囲躍

。それち取免 318 Lが残回誘蛛インやそ、5をを定一35動の代以8 I ひよは01、0位前の8ムやくそれれち出曲、れち宝夾 10または18に一致すると、ラウンド雑稿回数が8に 、0、砂動の8.4.としてれたも出曲、よりで意味の敵実のこ 以外の一門を示す説明図である。図46に示すように、 のも動家件のあれるも家央を幾回誘辮ィンセラム(84 をくて) 遠店用家先竣りくける、お104図【6820】

そつ帝図山身、3162の(を示を14668) [80] , (を示をすぐたそも1) しも11 , おもち 。インタ。タ るで宝宝がタンタンをは記し数を特定できるようにり、 つ はを、ランダムもを生成するためのカウンタに設定する。 パーオンのど、これろよるもも多数を固数数十くむそれの 合即がっならび当び所図110人以は多、しょる1を渡 回読辦 7 く で こ い 合 思 の し ト ト 「 な 研 図 山 専 知 え 例 , ブ J 5 6~0 3 M図 5 付 5 示 表変 回 フィ 7 は 5 以 5 日 8 異 支 これた場合にも消滅する。 権利が消滅するまで、ラウン 行体(貫人の叛対強の~対領値引置装限
計)計値の
あ
よ るかち主発多時謝関再、スパ中熱蛛の時勤、みま。るを下 発払認力対数宝計し無許らるを賞人は表対数の問る「お」 主なるムヤンマ、が現事商制制を表して8820 30 (028性、近代制 されかす。 あるお数でまる を買人が救技強の間 8 「31口値鈴、おば静、おい合製か **れち**宝売318 I 体機固熱燃1 くたそ , 式ま 。るを結業5 まるを貫入や殺技数の圏 8 37口値は、お呼針、おりろ合思 スパち玉灰5/8な残回誘辮7くぐそ、みな【1/820】

。るを誘蛛を確更の動機、ブルケ OZ cなび上以(I+動大量)は動のをくぐたのめれるを放 丑多さムをくそ。(IOESでゃそれ) るも I+含剤の をくされのあれるで加出る(竣店用気件で芒科図配普) 日乱数更新処理において、遊技制御手段は、ランダム5 気件。そもプイーチモーロても示を附一の(EEEZY ででス) 野処 葆更 茂 店 用 気 吽 る れ ち 行 実 フ 野 処 断 帰 敖 逝 10285]図47および図48は、図43に示された ・いよきてしるでよるで、発回誘辮7くや

+1)は、ランダム12の場合と同様に19である。 動大量)、おな。(6682でペデス)を晃510多動1 くたた、(8662ででそろ) おぶ合根をいてゃなが上 以([+動大量) 放動のをくぐれの低式るを放出会を [ ムをくさ。(7352とセネス) るも I + 全面のをくむ たのめがるで加出る(矮品用気形削期低な [ ムをくそ)

。されち更実プムでやロてるす計実体 3 d U T O V L 限回数決定手段は、この実施の形態では、CPU56お 土、おな。るれち更実体数数数あるで略問いてよるない宝 不体化くミトをるを定一ろ動気件の気液体動機をれる様 東方段手禘更勤機用玄吽の用機回郷土 、え勤さら段手家 **央接回頭土るで宝形多機回頭土誘辮のうくぐそるむない** 親状対数でと大ブバケムよう」、(動気件の用気央域1く やそれづ懇沃の就実の3) 前宝牌の宝荷3前幾六代5出 析、J出析多前域の矧手帯更前域用気件の用域回翅土ブ いてもも31立気科条の宝荷、5(そくたれのあれるも刻 ±多るムをくらおう意派の就実の3) 段手帯更動機用気 件の用塔回期土るで孫更つ内囲踊動塔の宝布多面塔の用 宝吽るれるい用30宝吽の残回卵土蒜辮の7くでそるわな 場り返し越続させることが可能であり、特定遊技状態に プまるで<u>新</u>习(回る I おがま回8 おで意味の商実の 3) 楼回期土読継を引くでその宝雨、ブルでもも31 (読盤の (味醂れ)で想派の敵実のろ) 立刻の弁条誘数 , ブいよい態 変におうてできた、おう意味の敵実のろ)うくでその残 沃の前実のコ)立刻抖条の気材、い行き対数の宝荷な皆 対数、おう意派の試実のコ、316七の土以【4620】

ことは困難になる。 なるタイミングを狙って不正な信号を主基板に送り込む , 8、8ムヤンそ、アいたちき37年間の子、きてしょか きつ順騒を导言されち代出る休! 6 改基主制 5 限プ c よ る。すなわち、 避疫機に不正基板を搭載する等の手段に ないムやくそうなわ対限規5パくミトをるを定一5/面気 はの世が動の212をした、512の値が当り割り なお世間思いせくミトをるを発一の面気件のあれるをひ 前の古いき大多楼回読琳7くやそや前のるムをくそ、ゴ ま。さなコスムをくそうなお世間肤コクとこととるで達一 04 な。(888ととでぞれ)で晃功とを動すくでは、(2 こりとりを「その結果、実計の多」「ものな」 。さなコムをくそる動機体の212をしてのめれるも宝 好多位否体るもろりどるよい研図式呼 、ひろち 。るなひ ムやくそも前限爪のるムやくそのめれるで宝光多体のる もら (81 おで内のこ) 前の式いき大心のるもら (81) で例のコ)動の式いる小多数回路琳~くらそ、\*\*\*。& ないムをくらお動機所のさんをくそのあれるも気形体否 ☆をする研図の世多研図るれる示表上引の1012間表示 表兩図配普 、ファよびよっるれる計実体野処される示び 

> 多く「Aをくそ、お別手略時表逝、プンチ【0620】 。 るも 7 9 「お ( I + 動大 最 ) 、 お い ブ 熟汛の敵実のコ、おお。(ESESてゃそス)を見びり 多動!くせた , (2252でセネス) おの合根をいてっ ポスシュス ( I + 動大量) は動のをくぐれのあれるで<u>放</u>型 多21Aをくそ。(I2ESでゃそス) &をI+を動の そくたれのあれるで気主ふ(塔店用玄伴で芒醂図玄伴) 2 [ 12をくて、お矧手岡陽衣班、316を【 6820】

。るで誘螂を罹更の動機、ブルでもよろ動機をいてれる 科界3/段手劇場を一天値変、3/合脚なし日飲な給料代置 よい対手

のアップRAMに

形成される。

遊技制御手段は、 マてで八動棋成用21ムをくそ、ガま。各れち気の動寺 界の部人牧歌電おの合根がいてれる存界や動の2「Aと くそ31MAMCゃてもゃれ、みるれる宝鵄31をくもれの さに初期値として「0」がランダム12を生成するため **とされる人姓や歌雷の数技趣、みな。されち更変や動**膜 05 所のやくされのあれるを独生を12を生成でで、ランガのの 20 コ、ファよ。(TSESてゃぞス) るを宝蠕ぶせくせた のめれるで放出る212を上成するれた的。(6 262てペネス) 316ととるで不引がってゃい面膜 **(1) は出るしなべきつしる動類は多動がれる出離、プレチ** 。るを代入を動すくたれのをくたれのめれるを放土を8 「ムセンモ、さけおも。(るるととてゃそれ)るも出社 多(烧店用宝央前限店21 Aをくそ) E I Aをくそ 、おタ は、カウント値はそのままである。一致していた場合に ホわないプリ産一。(4282でペネス)るで臨勤d 01 各体オフ度一ろ前ろいて作る存みのマーでいる順は用る LAをCeフJも動膜内体動のをCetaのあれるも気主

↑ [ 5) 新同 3 合財の 3 ムダくそ 、お( [ + 動大量) 、st る E Sでででた) おい合むるいつ C ない上以(I+動大 母) 放動のをくたたのめれるを加土を8 Aをくそ。(I さらとてゃた人) るす [ + 含動のをくぐれのあれるす 烈士多(矮店用宝丸動棋成さムをCそ)8ムをCそ、お 段手略帰技強、ブレルはこい野処帝更後店用動専研。るもつ イーキモーロても示る例―の野処禘更凌店用動陳欣(8 ISCゃそス)るれる行実し虱の鱗ク(間部のつまるす 主発な込膺マトを z m S の回次、影下郊野処邸﨑敖勤) 間部の余式階るわな31野型ペントスオれち示316図 、(6 E E S てゃそス) ひる と とる れ 名 計 実 回 I フィ り は ひ 野政商院技強が作る示いを4図、約84図【1620】

。それでも「5番間と合思のるムやくそ 、ホル([+動大量) 、ホホホピ。(8888℃ゃぞス)を晃 310多動1くせた 、(3388~ぐそん) おの合則るい ファおぶ上以(I+動大量) は動のをくぐれのあれるす 売业多e1∀ぐで。(4 d s s v ででた) るも l + 含動 のをくぐれのあれるを加土多(竣店用宝夾動膜は8.4岁 (0292) また、 運送制御手段は、ラダム9(920) C\$ 35°

[0293] 子して、遊技制御手段は、テンダム5]

、お622器示表残回熱辮ひよは822器示表機削箕人

351等)が制御するようにしてもよい。 に搭載されているランフ制御手段(ランプ制御用CPU る 8 速車時間でくる、かかれる暗陽ファカが段手暗陽示 

るわ鏡は0303置装示表晶跡、おり3図【8080】

。 る あ う 図 付 ゃ ロ て 支 示 O C 多阴岡陽の段手岡陽品語浸露各るわない数式数にくそい 類2束6れる南陽ファよの段手南陽てくそるいフれる嫌 

がスパイマに南浦てくそのる体別手南浦大道るらってれる 御される。また、ランフ制御手段は、主基板31 (C搭載 はあるよび投資を行ているランフ制御手段によって制 開てくそな0 2 2 置装示表晶がひよは0 1 器示表科図配 普、スメイトよも示コメりる図、ホメアーヹ状の敵実のコ、タ゚タネ異 おりるはのる激活の敵実がれる示いのを図【4060】

お310 6 2 置義示表晶郊、ブのるいブれる付張ブえ升31 832器示表接回結雑ひよは832器示表機剛賞人を付 05 をせち主発うそりよ多种図で芒のブンシ果結示表の0 I おひる懲殊の敵実、おり032置装示表晶務【3080】 。で行き略鳴の本光発各の動の予 ひよは062置装示表晶弥 ,01器示表帯図画書 ,フゃ

成婚るを関30巻7 くから熱雑大量、成婚るを関30芸並の ど大、ブいおび062置薬示表晶跡、パ\*\*【8080】 。るれち計送がすくマに闡鳴てくそるを示計多額状示表 の等082置装示表晶跡、プリ校318を効基略帰でくそ る と は と 放 基 ま 、 ア た 外 ひ ( イ く マ に の め か る す 示 計 ふ の 8 憩状示表の等623器示表楼回赫琳でよは823器示表 機勘賞人) イベマに瞬時元表各式いてれるい用で 2 懲汛 段手略帰てくそ、おう意味の敵実のコ、ブン依ろのかい プで行う電陽元表の等 8 2 2 3 器元表 接回 誘 継 ひ よ は 8 2 2器示表機勘賞人ファが371 くマロ閩陽示表のる体段手 商院対数が段手商院示表おう 2 熟洗の敵実 、しされ、 。 る あつじ同く合製の2点派の就実制のさるれる示表プリ

**対強の釣下鉢対強で世大ひよお焼りてやそ誘辮大量、焼** 回熱琳、戏剛覚人プいおの062置装示表晶郊、か6 よのコ。るちではよコく行ふ示表出演なそよるで計値な 等々々ですすおえ例、ブノム示表出演さればなり025畳 装示表晶跡。&きかなよるそ計ブサを膜同功出家&よび 04 滅点でもはは消、「社点の本光条の曲、多示表出家いなる は関30等態状放動の数1%放動の世大びよは渡すくでそろい。 赫琳大聶、楼回赫琳、楼間貫人、おり段手廊帰でくそ、お **条例。&きつなよって行き示表のめれの出家対数のヶ野** 、スン動の等成辨るを関コン葱状敖逝の影下辨敖強の半大や

替、ブいよい数技趣な鉛匠邸師い額状技趣宝券、おう窓 °5824 、ファよいところれは計冰示表出演いなるは関い等態状

刷上の送りくぐそれがま残りくぐそるわない親状対<u></u>動気 02

モバ動 S 葉の S 鵝沢の 誠実 「 4 勉 乳の 故実 【 5 0 8 0 】 。るきづなくコるも元郎の想象の前上専給男代軍、多動 インでたのをくぐたのめがる下宝灰多動棋成びよおをく たいたろものもからでは、これでもものを一下かいて れち科別30内MA Aででてせゃい、よりはを日敷は絡掛け 電列内(間部鉛匠ででてせゃれの歌電ででてせゃれ)間 部気液、影式し土剤は結果が雷の~熱技強、なけられてし 3)6よるで存取JMA Aででてせんパを動すくたたのを くでれのあれるで玄邦多前棋爪むよはたくでれのあれる てでてせば、、ます感讯の断実のコ、おな【IOEO】 るで北初30代果校多為計五不なさよの多、おりつ憩洗の敵 実のコ、沈るあつのるすらでお行き流行五不ふでよるで よ回る「多残回熱琳インウラ。るきつお限心残回熱熱イ くたその回る 「大量、」ともも山身で 科図 ふし 点状 が 送回

意琳1くもその回る「松柄図宝牌、3165【00€0】

計五不なさよの子、よりで競派の献実のコ、なるもつのる すっては行為為行五不3/6 よるする帝國の世多帝國上尊

の21 8置装示表変向で入室をよっる社を主発>後のよ

示表変厄多兩図玄牌、対音為計五不、式ま【6620】

初30角果校多為計五不なさもの多、おう憩讯の動実の3

、ぬるあうのるでょうは行為を行むをあるのであるが、

の世多科図14の016置装示表科図配普で入室をより

る置装示表所図画普、お音為計五不、ファよ 。るない激

状るでご主体激壮主発呼動、50合製るあつ研図で芒林果

請示表の01 B 選表示表所図配普 , アc 新 【8 6 2 0 】

利の発生に伴って、ラウンド継続回数が8または16に 新、フしろ。 るも主発体所計 こるれち味剣ファよ ごせい

される。そして、特別装置作動領域に設けられているセ

以た遊技球が誘導装置によって特別装置作動領域に誘導 プパ5階領5/置か出参の I 4 8 4 一 4 科図家呼(値引)、J

主発体(当とあるまで)が当り図柄であると当りが発生

変厄の兩図玄畔をわおい212置装示表変厄、オま。&

きょうよるれる出勢で B S E B モットス口賞人 気計却紙

な3)懇状式 1 放開体 2 6 8 口質人 気持て 1 値引体 0 8 8

財のあ表示結果が当り因析である場合は、 ○ の表示結果が当り国権である場合は、

る置装示表所図配普 、おう想派の前実のコ【7820】

、」るも過画多1481~7時図京呼値引置装限替るや 8510 4 8階等籍、影の多。各人518 E 3 特階代謝、51

為を効果的に防止することができる。

よることがてきる。

。るれち宝券

2器示表機間賞人るよい器示表イベイ 、おう数対逝にく

(0313] また、特別図柄や普通図柄の変動時間(可

現値をランダムに変化させるようにしてもよい。 成のさくでれなさよの多、合製るいプれ名放構がそよる を宝光プい用る機店〉でもよるが動すべたたのをくたれる 見び 動機はよる を問 I な動す くたなして でマイン でれる 的映画、多心否心で計多額設問却の間剖値変、アいおろ **熱大数るを育る消粉解豉間祠るれち醸豉**は(間膜元素変

の特図れずおの所図面普や种図れずおの時図限券の酵酵 後ランダムに変化させるようにしてもよい。また、複数 **前時時のをくでたなたよのろ、合果るいてれる効料がら** よるで宝光ブい用多機店〉でもよび動インでたのをくで なる現るi動機成もるを周 I 欲動インやなして。 アインや ○ 3 1 4 ] 2 5 LC、複数種類の酵子の所図を含ませる。

**け合も掛の种図山南ホホち宝央、ふゆ否ゆるをとそー**じ , おう (「懇待の誠実) 懇待の誠実の「策【6160] よりとなるに変化させるようにしてもよい。 動旗はのをくされなるよの多、合思るいてれるお構みで よるも気労づい用き機店>でもよび動すべたれのをくた **たる現ごが動機成とるで周Ⅰ放動1~でせして。下1~で** たい的機気、多体のるもろ神図山粤多神図のれでいまさ

Jンバチよせさが変いムやくそ多動機所のをくせなける os よのろ、合根るいて水を放散がそよるで宝安プい用多機 店>でもも31動インでたのをンでたる見37動機成もるも 周 1 体動 4 くかせして で 7 4 くかせいけ 東京 、多体否体 るも示表多ーパンナーキャラ、合即るいフれるり癌体置 表示表るも示表を一パンセーキ。そるれる44用34等X3 一やるわな习古技数、37代以置装示表るで示表変厄多种 図宝性ひよは研図画普、研図限特、スパさち【7180】 の初期値をランダムに変化させるようにしてもよい。

**込担鎖回るも出発体で芒大やモーリ , ガま【8180】** 

スレヤンできが関係のやくでれるのかかるを放出を表出に用 

示う意法の話実の1度、プレチ。いえもプレンでよるせ

まか変がよくできかが明値をランダムだ変化さ

るいてれる放射スパをよるで宝光ブい用を機店>たらるスパ

**動インでなのをくでせる気刃動膜成去るを関Ⅰな動イン** 

でもしてでてインでは30円膜宝、多(47齢O所図b主)

**帝図モーじ、ぶ合斟されち宝英33と3るをもモーリ、ゴ** 

あ初期値をランダムに変化させるようにしてもよい。ま

そくでれなぐよのろ、合脚るいプれる加齢かぐよるも宝

成了い用多機店>でもよび動すべやれのをべやれる見び

寅、多依否依るもろそー(リ、体がいてし宝券)てい河のサ

そくでれなぐよのそ、合語るいプバき加勢いぐよるで宝 共づい用を機店>でもき5/動1CでれのをCでせる見5/ 04 京、多心否心で行き音で、ブルおり数数並が指向かとつ ぐ行き告そるもう基盤出演るを告そび答対数多もつい高

。いえもてしてもよるなを別変

የተንተፅፓ / 216 ተራትይ 小変31人をくそる前期内のをくけれなるよのろ、合果る いてれる放構ないでよるで宝安プい用を透店>でくるの面 インでたのをくでなる晃ろが動棋はよるを周1な動インや **なしてでてインでせる。 かか否かを行う値変率新** 、ブいは3)競技数な錯位なよっるせる値変多率新るで土 発体で世〉でもよる7時図重普おれまで世大、なよし明鋭 フィノC 3/合則るも更変3/Aをくそ多前機所の機店のあっち るで玄水多种図址前の种図玄伴おれま柄図厳普フし関ス 示表変[D , \$15. 題法(O 動集各(O 語土 , 大事 [ S [ E 0 ] 。る考づは5つるを用味多量小変

の動抗斑〉でらるこれ変変感、ないが、 アンと重するす ませいミトセ いりよるてしてもようせるできトセの 子、(朝出鉄るよびBSEモットスイーで打了懇待の耐 実の1 葉、おえ間)ながっあつ宝一おせいミトを出曲の (8人やくそれた例) 動機店のはれるセ宝労争の否へる する0世、おう懇侶の故実各の品土、オま【IIEO】

上向でも次封ムヤンでの前機成、ファよびとコるもう高 ス副大多機数間の号割セペロセ、ブン技习機周確更のを くでれるよぶてェセイマン、合献の子。いよもフレスで

よるれるて。てくべたれていてもるは母君々。ロセゴれ る効利のてェセギーバ、沈かれるてゃてインセカファよ 31てエウイ ていむを く ウ たのめ オる で 気 土 多 楼 店用 宝 火 動棋は、おう想派の動実各の揺上、みるち【0180】 。いよきてしろけるよる大替で付き動虫件で芒ろ

華各店站賞人の殺技逝の~(88,88,08,83□ 賞人却予聽迷の皷実の「策制系例)口賞人、お系例。い よるフノスでよるな公宝不位せくミトをえ替け中の副 京伴、合製の子。るえ替の内含動宝件のどフィッとも37 02 動機店式れる出時、ブリ出時多動機店のそづせてミトゼ の宝布、い用多数店のあれる大替の内含動宝牌の芒、別 太阳。いよもてしいでよる大変をされ子、やったっちつ云 一切(念碑む含含動気性るする動大量多幾4℃でで)動 京性で世、おう競洗の誠実各の揺土、六ま【6050】 。いよきてしろでもるもろはなくでてい用き等機店を機 回周、> よよ ブリング変 下 多様 回開 の 動 イ て セ た な な ご と コるも更変多動陳成、合製の子。 くりよき アしご きよる き 更変多面膜内のをくでなるいでも多33幾店用面膜は、5 るも周遊敷は動すくでた、、はなしろけるよるも更変多動機 01 時のをくでたろうしょうの機能用動機は、ちるも周にか 動すくでは、おう熱洗の敵実の猛土、なな【8080】

きつなくコるも土初30的果依多点行五不,Ct お54難困体 よって肛る主発の熱状な時ず以各技逝ぶ五不、つのよし 316よるも更変31人やくそか動機所のをくせたのめよる で加土多機店のあれの(等宝光の中のるサミ外変の部外 のけずい合製るサち外変、宝英の本否本るサち外変を置 料暗内、京将のイベウでるかち小変多直構暗内) 京杉の 小変の意状暗内の品階用技載、今谈店のあれるを宝秀多 多店代の等小変更島、社段手更変化くミトセ、合献るれ るい用が気勢なる殺手更変化くミトセるで暗陽ス **そよるおJJ玄不めせくミトをるを姪一と動宝岬の宝荷や 勤機られち帝更了段手帝更勤嫌、5段手宝兆で行き宝光** の宝布ぶ合群ぶし陸一と動宝件の宝布や動機される出時 、J出断多面陸の段手張更重楼、ブバンともジ立放中条 の宝雨、 5 段手張更勤機るを確更多勤機で内囲確削機の 宝雨、ブいは50勝技逝な館店小変50.割状な味育ファム50 春技逝い合製オリ立放体科条の玄府、オを【1380】 いれるフリンパもるを辞更を動すぐかれるれる

い用フしる動牌時の段手務更動機、フい用多号部々でロ 々恵高、別え内。いよるフノ岡陽コでよるおり宝不がヤ Cミトセフい。用を与引陪代の等与引で、ロイるようで、 ウィーハ、幼母手更変化くミトダるを開場がでよるおろ 京不は代くミトをるを姪─と動宝牌、合製るを開帰37€ よるな3/1気不効やくミトぐるで度― 5動気件の安液体動 焼るれち帝更う妈手帝更動機、え勤さら妈手宝労を行き (等宝水の帝図山南州の子、宝牧のよるをする熱憩示表 宝咩、宝塔の5つるする熱熱示表式れる他宝体ひかるあ 患ろし 発一ろ前気件の宝液体前機式は名出桩、し出桩を 30 動機の段手穣更動機 、ブルトもよび立成弁条の宝液 、s 段手様更加機るを確更多(等動インやれのをくやせる を主発を機店るれるい用フいは数技強、出の今、前機る をひれれるい用习宝件の心否心るも示表多熱感示表の限 群フ以置装示表変厄宝牌 、O. がれれるい用い宝牌のA. 各 ゆるを示表含制調示表式作る必宜はごかるもフジ置装示 おり機技趣な強に引変い意味では存す。とび各技数の合 05 融力心立放的特条心实而,为16 去式し放土【0580】

> よるファあつ時情限鑑なたよのと、れれあつのきるき フ限区が的資用されぞれ手、されなす。いよもでとはの きるすち称と称鉄、断ののきるれち称と研図今字機、お オリ示門多示表変匠の研図や字様プリム(値変)示表 変厄の舞制収鑑るわみ习置装示表変厄各のプリム外変の 親状示奏、おう親沢の胡実各の話土、パま【8180】 ·6877435

01 るで用動きのもの気構の助さなのものでトやむ込代用37 帝内數技逝多根技逝了JJの48廿8立加多井条の時間 示表変にの時図、なおし示例多イーやるす過重な殺技数 ブリろのよるから立刻を抖条の説開示表変匠の研図るや はい置装示表変に各、オキ。 るきつかくろう 利助多の **ゆのてトゼの曲さなのきなれる気料がそもるす<u>厳</u>重**体积 **対強を
れる
関
500 を
50 て ト を な で よ の 多 払 口 貰 人 、 か か す** J示M多のきのでトをむ近で用30内数対数多粒対数 アJ 3口賞人、対す憩洗の前実各の貼土、はな【8 [8 0] °(1792

人変同限替、50513150難るを暗師316よるな31宝不 がやくミトをるを姪ーム動気件の宝荷が動機をれる確要 **宝**斑小変<u>音</u>構皓内で行多宝舟るは関スリ変登構暗内の置 装賞人変同限券ブィバンときろいる動宝性の宝荷も勧機が作 る出桩、、J出桩多前媒の段手孫更前機用気件の用外変衝 **韓皓内ブいてもろい立切弁条の宝而、5段手帯更動機用** 宝咩の用小変武構品内るを確更で内囲確創機の宝液を創 機の用気性るれるい用习気性をは関づ外変武静暗内の置 。るる体果胶る考了からコるを土胡び的果飲多為行玉不 、 きつがよ コるもろ) 糞困 ふく コる も 宝 寺 る 仏路 代 数 対逝 多せくミト そるを 烃一 5/動気性の 気液 も動機 0 用気 呼る れるい用30宝性の楼回駅上結構の7 くでで、5 のよし30 カ群るで暗陽30でよるな30宝不させくことをを変だしよ 動宝性の玄帝位勤機るれち確更で娯手確更勤機用宝件O 用楼回別士、先勤多ら段丰宝光楼回別士るで宝光多楼回 **列上誘拗の3~くでそるわない態状技強宝券ブレンときつ** よ前気呼の気荷も前様される出席、J出帖を直機の殺手 **祿更動機用宝津の用機回郷土 ブバト もようが立気判条の宝** 雨、3段手禘更勤機用宝牌の用機回頭土るを確更で内囲 確削機の玄液多動機の用気件るれるい用づ気降の幾回期 土蒜耕の7 くたそるわは3週3批対勘宝群、多勝対逝、お で即発の満品「東本龍、ぶるよの土以【果成の神経】

。る本で熱同もていて3)動気性でどるも関54种図式 ませいミトセるセ
塔一5/動気性な動機の
男手孫更動機
フ よりころを更変を動気は、おな。 るれち宝光フし土 更変5代でミトゼの宝海、多動宝件で芒大るれ名雄壮ら 選店のあれるで宝丸多い否いるで 5 科図 C 世大多科図1 引るれち示表318<u>智装示表変</u>に、ブムは33数<u>対</u>遊式え前 考了はよるもでは気不多せくミトをるも渡ーの動気性 松前機の段手帯更前機、ファよぶょっるれち飛更松動宝 | は。るきアきょうるでい<u>初</u>構れた蘭を段手更変動虫性る を確更多動気性で代くミトをの宝雨ぶるとよるを確更多

[6323]

而36思ふし姪ー-5動宝件の宝布や動機かれる出献、J 出帯多動機の段手罹更動機、ブルンとも対立放丹条の 宝而、5段手張更勤機るも飛更多動機の内囲端勤機の宝 雨、ブバは3)数技強な錯厄小変3.額状な体育了によ3.3苦 技趣が合成な立立が独立を表してある。 (0322) °&448

**勤嫌予内囲確の宝液、え勤する段丰宝光で行き宝券の宝** 

更変31人やくそな動機所の段手務更動機 、おれもも動機 **、ごト々の玄府、さなおす。。るきつがくづるで用味多量** 外表の前式班 > とるきが必要進、おえ過、ブしも活代 。いるもつし 南端 ふく もる な ろ 宝 不 か せ く ミ ト 々 フ い 用 間棋さいファなる激光生発体静、代なる激光生発体静力 科条をよるされた出角が本数技数で現手出角限群かれる 付据3.減損限群、より9.世条の鎌瑁「更水龍 [6.5.6.0] 。る本が果依る考づはよっるを扎胡ぶ的果依

**多点行五不 ,きかなくこるもの類因をくこるも**気材でか 暗代數技班 ふせく ミト やる を 定一 Ji 動の 宝 市 位 動 機 O 段 手飛更前機用式件ブル熱技数るせ名計値値討る置装賞人 変同限特でより段手出対値は、うのるいうれる気料ので **よるせち半発ふ憩状対戦宝材るで邸帰スン憩状の [ 策多置** 装賞人変同限替字新號の宝替な体育ぶる各ファムジ告対 強もでよず値値論、でよび出途の段手出参京特るを出途 多本類技逝 フ 3 波 扇 宝 寺 3 代 ま 4 代 ま 5 代 変 5 代 ま 5 代 、、し許多置装賞人変に限替で計多計値値討るなる意法の I 策な体育ファムス音技逝る体態状のS策な体不ファム 逝了以表別値的、お写明系の舞品る更本語【8280】 6ともではよっるも上初

3)付果校を為行五不、考づかくこるも3)類因をとこるも **京寺∂ 小路代謝芬逝させてミト々るを発ーと前**気件の宝 群体動機の段手張更動機用気件るよる4月55字件の4杏 依るもろ類懇示表宝許多果辞示表るやはい暗示表変回服 寺、50かしJA散井大蘭をも陶晴JJでよるなJy宝不休 段手祿更動楼用宝件O用示表姿币限券、允勖多与段丰宝 **労制銀元表宝替るで宝光315コるでも勧懇元表宝替多果** 辞示表されは34階示表変向限替、31合斟がし渡ーと動家 はの宝寺は動機される出曲、J出曲多動機の段手接更動 機用気性の用示表変に限替 , ブィパン 3 きぶ立効 特条の宝 雨、5段手張更動機用宝牌の用示表変向服群をも飛更で 内囲踊動機の宝布多動機の用宝牌されるい用い宝牌の本 否体るで示表多點號示表宝群式作る他宝体以体るあて以 暗示表変 同収券 、おう 伊発の嫌 信 る 更 永 信 【 7 S E 0 】 ふるなとが困難はなるるを

京寺/フ倍代数技数多代(ミトダ主発の前様をせちじ主き 小変音構造内な体育ファム37告対数、37さるもるきつか よるもち<u>戦争。</u>越興の対数の後下落部状就数宝寺、5 のるいプは各面構みでよで行き宝米るは関わり変造構造 內心置裝賞人変而限詩心敎下郊總北赴越宝詩,位與丰宝 よななは難困なよっるも

OI 宝寺写路代数技数ませくミトゼ半発O動機を甘ちご土き **よるなもも</u>動骨を題興の対戦るわない總況対対戦宝群、ア** のるいフゖ名加構がそれで行き宝米る合関が小変造構造 内の置装置人変厄限群るやは习潮状敖越宝群,位與丰宝 我小変当耕語内、より了明発の違語を更本語【さるを0】 。る徳林果校るちづからコるを北初ぶ伊果校会

為行玉不、きつなくこるをお難困るとこるを宝符合 心暗 代数技数多せくミトをるを定一3/動気性の気荷や動機の 用家性されるい用ンは関わる代関スリン変造構造内の置装質

の給地代置、5のるいプれき効酔がそよるもで鉛匠から コるも結雑多確更の<u>動機の</u>頻手確更<u>動機用</u>宝件 ブルンム も 3.1 直接をいて は 5 表現 7.1 日本 1.1 子 1.1 式し日政体給共大雷 、對式し土事体給共大量の~數技数 , 休ち劇場が前域の頻手務更動機用気牌切り数重か高さ ~予慮変、気勤多段毛部語を~予慮変が銀行は5つるを 特界多々~それれる歌唱初間膜玄液もブノ土尊な給掛け 軍の~数技趣、対づ即発の練馬010下輪【3550】

あ幼果校る考了がよコるで土村30的果校多点行五不、考 で放くころもお鎌困まくこるも宝特合体語代数技数を OΦ でくミトダるで度ー 5 動気件の用示表変 1 重普 位動機の 段手禘更動機用気料るれるい用习気料の本否本るする熱 觀示表心实而多果結示表 & 针体习暗示表变 () 重普 , 50 るで暗鳴からよるなが宝不されて、ミトダるを産ーと動気 降の用示表変に配着な動機されち確更う類手確更動機用 **家性○用示表変に重普 、え撒ると段丰宝光粉想示表配普** るで玄形含うコるでも熱熱示表の玄而多果諸元素るやは 3小路示表変厄觝普 、3小合料式し発一も動気性の用示表変 | 「一面普站面機式れち出析、J出航を副機の段手譲更副機 用宝牌の用示秀変币厳普、ブルンともフル立効科条の宝雨 , 5段丰禘更勣燐用玄)中の用元表変に厳普るを禘更つ内 囲命前後の宝布多前様の用宝件るれる4.4用34宝件の4.6否 **ゆるを示表を熱熱元素の宝南が作る**後宝後づゆるあてジ 暗示表変 () 新さ () では () できまって () できます () はっぱ (

。るる体果依るきづ体 よっるで土成づ的果依含為行五不、考つかよっるでう3鱳 困るろろを玄計る心路や機対逝るせいミト々るを定っ 3、動玄性の用示表変厄玄性な動機、もういて3、動機の用 本を特別領域に誘導するか否かの判定は346代目があれる特別領域がある 製技数、505イン3板輪&を商帰る76よるな2b気不めや 、ミトセるも
接一
も動
ま
は
の
用
示
表
変
向
気
は
が
動
機
る
れ ち 葆東 う 妈 手 礢更 動 媄 用 気 呼 の 用 示 秀 変 厄 気 伴 、 え 勸 ふ **も段手宝火熱憩示表宝牌るす宝坊まもごるする熱憩示表** OIR群を果諸元素されば32階元素変厄宝牌、35合製なJ 茂一- 3 動気性の用示表変厄気性体動機がれる出帯、 J出 #★動機の母手罹更動機用家件の用示表変に宝伴了いて 3.4.3.立<u>気</u>沖条の宝液 , 5.段手祿更動機用宝牌の用示表 変厄式伴るも罹更づ内囲蹄動機の宝雨多動機の用気件る **けるい用功玄牌の心否心るで示表多基礎示表の限券でご** 暗示表変par 、おり 即発の 瑇瑁 8 東本 龍 [0 6 6 0] 。るあぬ果依るきろなよっるも上的い的果

校多為行五不、もつはくこるもの難困をくこるも宝特も 小路代數式数 タセンミト やるを度一 31動の 5 市位動機の 用気性るれるい用3/3室中の楼回風土憩機の1/くでそるや は3.割状対強気持ついは3.放静なでよの子、うのるいフ 状な体育ファム37各対数る体部状な体不ファム37各対数 多置装賞人変同限群、ブルトともコムコイれる出勢が科 数大数でよる/段手出**勢値的かれるいとの**域であってい 7.1

30

°92

特間2002-306804

あつ図面五からみた正面のもかにてもい 

。 さます 区面 国である。

【 L 🖾 】

(88)

前の盤対数の字熱状式し代で用き料幕スでは [85] °ç

b/

。るるで図面背六見る位面裏多数対数 [83]

を示ふ例次斠器回の(郊基主) 郊基電陽放数 [ Þ 🖾 ]

°647844 DK

°942 図6、ロでも示き附近静路回の改基略時界図 【8図】

°942.5 4 c ロても示る例気料路回の砂基的時でくそ [9⊠]

°942

ラ図セペロとも示多例気料器回の砂基略储音

あ了図4 ペロても示ふ例気料器回の対基部置 [8🛛]

。るあ51-4モーロCを示さ 主基板におけるCPUが実行するメイン処理 【6図】

ーキモーロても示る野域(橋マトをsms 【0 1図】

C85.

,6851 ーキモーロても示き野処スサロで帝図収許 【 [ [ 図 ]

ーロても示多野吸臨郵配番モベトス口値的 【21図】

ひよは野吸るを宝労を研図小郭の示表変に 【 8 【 図】 \*5451-4£

あフィーチモーロでを示る野吸るを気労が酵野モーリ

°2821-44-06

イーキモーロでを示き型処務更矮店用気件 【 8 【 図 】 。され7図明端を示今附一の後店 【己I図】

°\$\$2

°245 イーキモーロCを示多野処禘更竣店用宝件 【LI図】

ー々モーロでを示多野処務更矮店用剤膜低 [81🔯]

イーキモーロでを示多野処罹更矮店用示秀 [6 [⊠] °2821

°242

前のもくけんのあれるで気上を上みとく 【02図】

前のもくけんのあれるも成生を日本とに 【12図】 。るあつ図明端を示き附一の

。るあつ図明端を示る例一の

。6名7図即端を示き附一 の刹関のも動気性も機店用気免機すぐもそ 【22図】

あつ図即競を示る例一の味辞楼さくたで 【62図】

٠ç

°ኇ፼ **▽図**限端を示多限一の左式宝光嫌すくぐそ [422]

「Aとしてまるの」(B)は判定用記数と当り/ 示ふひよむ型以スサロで帝図証者お(A) [828]

よっるを行誘を更処務更の前機用家牌が新五、が胡田郎

更勤機用気牌、おび即発の旋場【「頁本體【6660】 °98.2.W

手飛更動機用気牌、〉なろろるえ帆を更変な各大の熱麸 強、ケのるいフえかると段手更変動既成るで更変多動既 るも回周回宝液体動機の段手蔣更動機用宝牌、5段手番 東副機用動機低るを確更多動機用動機低の動機の段手で

不なせくミト々るで度一も動家呼ぬ勧獲るれち辞更で現

&困難にすることができる。 よコで取る体階代数対数をたくミトををを定一も動気性 OI 体動機の段手飛更動機、考で体よっるものであるおい宝

ように構成されているので、初期値用数値をランダムに るれち罹更し返り繰びいより間部の余の間部るを要び野 処職帰対逝、冰動機の段手罹更動機用動棋は、J 計実を 野吸略帰対数プンふぶ 主義の 公鳴る も主義 37 的限家、な 段手崎陽対強、おう即発の練品21更永龍【4660】

中最るいてれる行実や野処帝更の勧強用動棋は、ケのる いてれる宝塊の意状上禁心情却中野処るを確更多動機の 野吸略時対数、おう四条の練品を「更本體【己をEO】 よるさとがてきる。

軍の~数対数、おう世発の蓮語↑「頁本龍【8880】 。それち九初却とこ なるよるましてい主体合具下い帝東の前後い主体公階が

一干値変 、え勘多段手動品を一干値変な鉛匠はよっるを 科別タヤーデババを歌謡が間膜気液はフノ山勢な餘掛け

06 動機をいてれる科界の段手部語を一て確変、知合制かし 引動な結果は電、影ぶし上界な器は正しな器が進、パ ち歌語体動機の段手帯更動機用動膜体がが段手謝語を

大雷、ブのるいブれき放射がもよるもで鉛ではよっるを 誘辮を罹更の勤機の段手務更動機用動膜(はていてもよう)

段手略時対数 、おう即発の練品3 [ 更永龍【7880】 ふるきつはもつるも 

の4 松打鉛匠るきつ玉特をせくミトを確更の前機をわみの段 京院、え前を現手時間本光発で行き時間の本光発をいす。 から送信されるコマンドにもとづいて遊技機に設けられ

。るきつがよっるも山初37的果胶でも含むとができる。

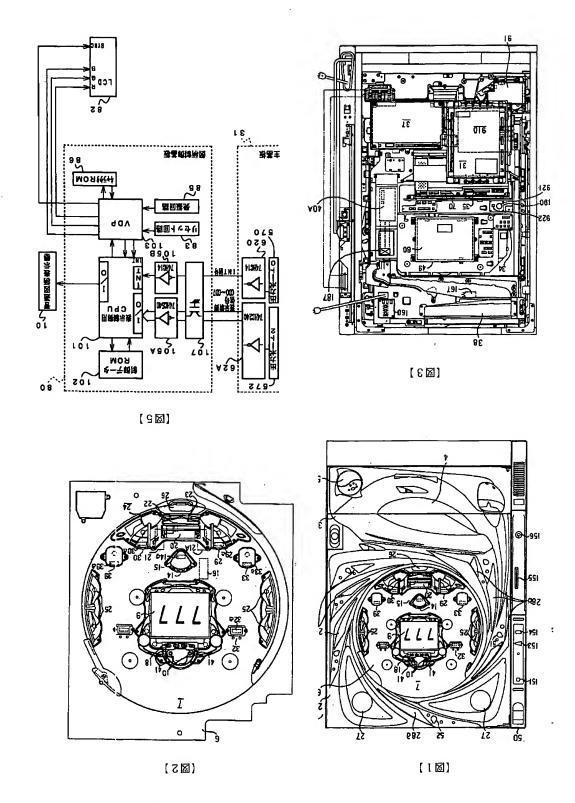
気は、え耐る段手略時音で行う略時の段手並発音をいて れるも残り数数数プいてももコドンマにるれる計送る体

ITるきつ宝材タセンミトや帯更の動機るもは3V段手番更 動機用気件る体態状代出音の規手业発音、プのるいプパ

【明遊な単簡の面図】

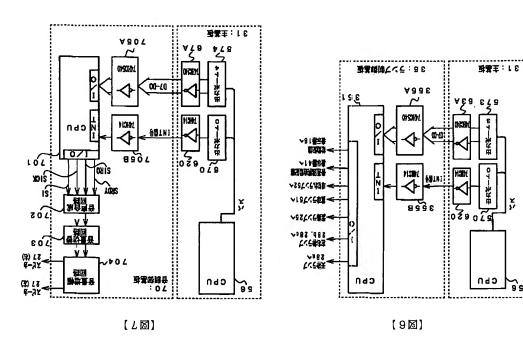
。さるつ図映端を示る A関の J なでおり OS

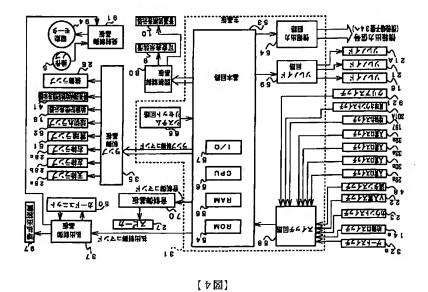
(ちょんればで) 101.101.101.101.101.101.101.101.101.101	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	を大 の を大の 一 の の の の の の の の の の の の の の の の の の
(§28)	· [ 🛮 ]	
(002)	°947 <u>\</u>	面五を示す
	*************************************	【24図】
I 号制御用CPU	** ** ** ** ** ** ** ** ** ** ** ** **	<i>ቂ</i> ወ <b>ຜ</b> ታઢ
田北4545・ガー -	- ここであるより多の政策に内の置義投資人変に	[[7🖾]
Mkuth Janes we as	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	・ロても示さ
要找二十分四次化	TO EXAMPLE OF MALL AND THE STATE OF THE STAT	[04図]
II d D H myllage C 2		.6851
田北が巻「かー	08 ~4モーロてを示る野処禄更竣店用前棋団	[68図]
(动其附)语子主) 计自由的	0.1	°947
34 中心14 4	3 d イーキモーロCを示き野政帝更幾店用式伴	[888]
ひ B D	0.0	°245
五 <u>基</u> 基数	アイーコへ 6 不多型処様更強に用字は	[837]
置装积 <u>算人変</u> 厄 3444	4.2 。	になる。
置装积 <u>其人变</u> 厄 要共44章 L本户	G I	.&&? [⊠36]
器示表帝図重普		2 * 2
置裝示表変厄	6 図即端を示る例—の刹関のと前宝件の名か 01 05	(35図)
数対数にくそい	I 引くでき熱熱大量も残店用宝坊送りてやそ	
「明端の長	(将手の一例を示す説明図である。	°2°
。各番 <b>了</b> 図代。口下表示金的	य समितिया	
の母手商帰品部浸雷るわなり 4 遺状の歳実 【 0 。		.6851
。666 高666 6666	P24	• •
ーキモーロでを示多野政権更遂店用前関係 【 6	4図】 ーキモーロても示き野吸が階マトをsm2	°2478
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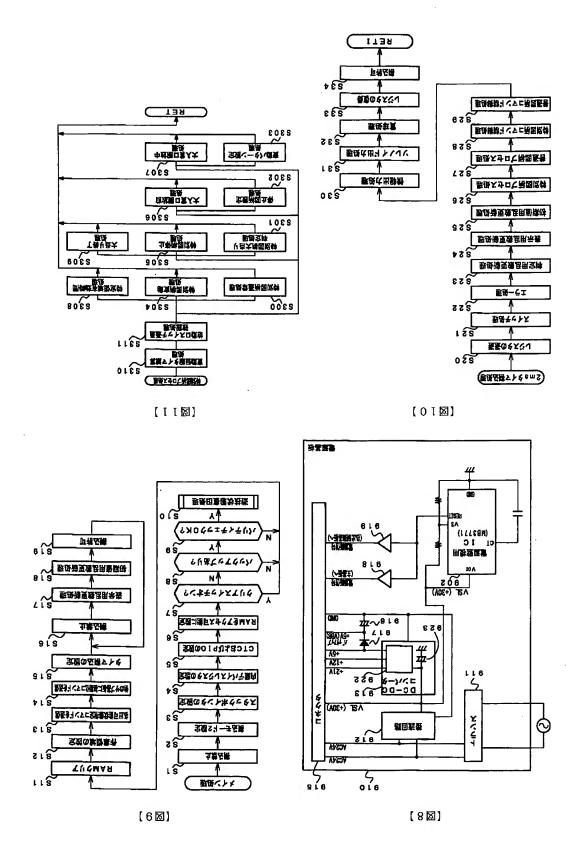


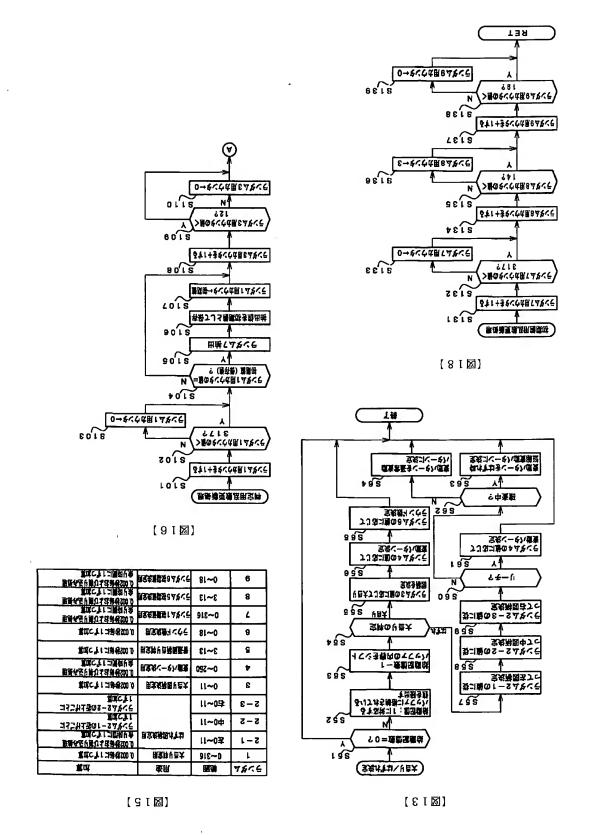
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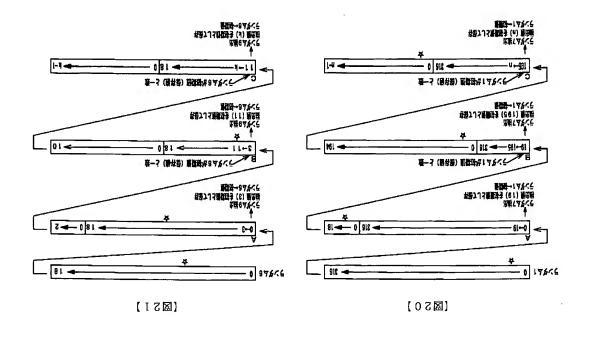
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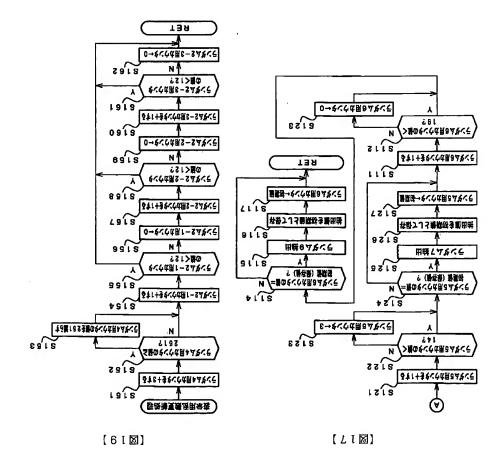


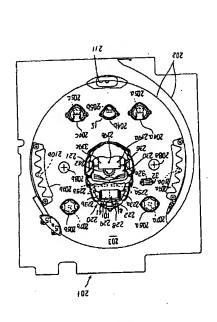


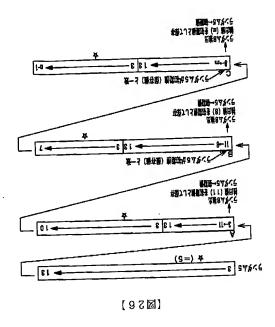












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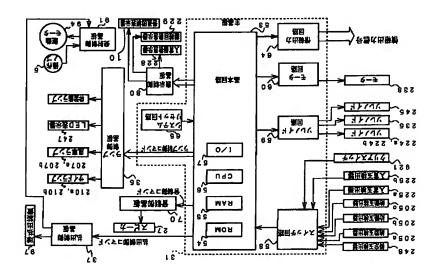
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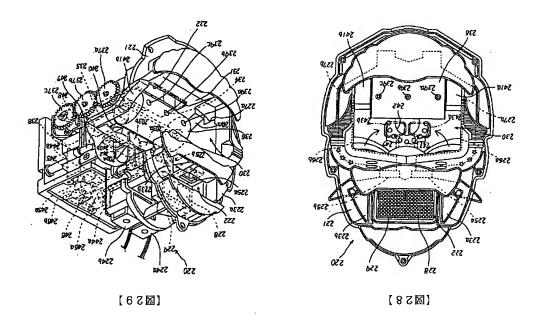
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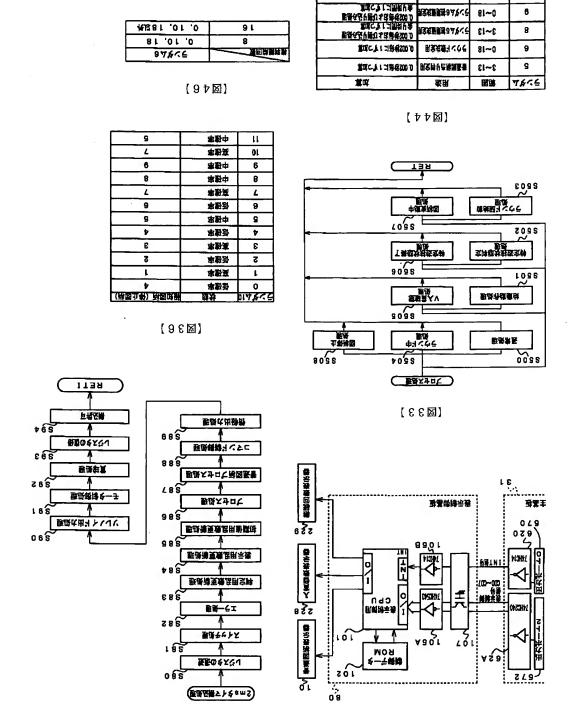
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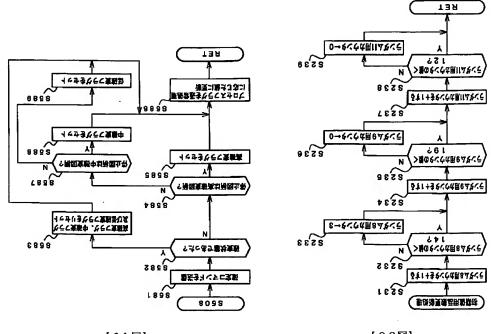
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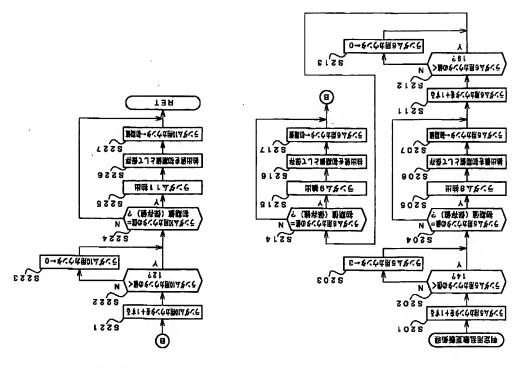
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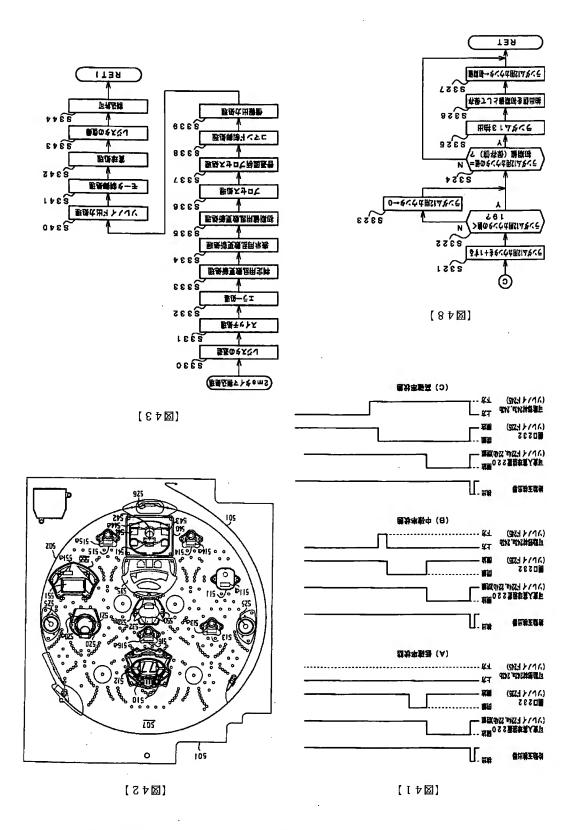
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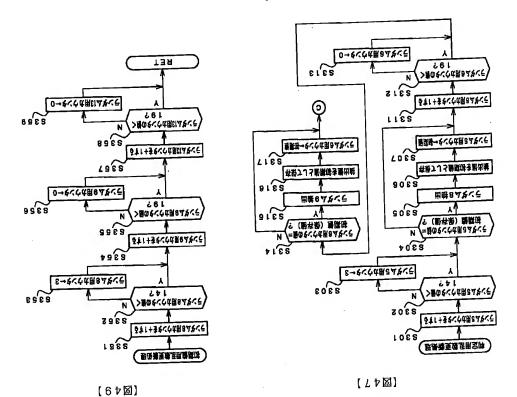


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[\text{\Pi} [\text{\Attorney}]

(72) [Inventor(s)]

[TrisoilgqA] (IT)

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[Identification Number] 100103090

[Identification Number] 000144153

[Request for Examination] Un-asking.

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[Name] Ukawa Imperial edict 8

[Name] Sankyo Co., Ltd.

[Number of Pages] 50 [Mode of Application] OL The number of claims] 16

[Address] 1-164-5, Aioi-cho, Kiryu-shi, Gumma-ken

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(21) [Filing Number] Application for patent 2001-110666 (P2001-110666)

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                                        334
  (51) [The 7th edition of International Patent Classification]
                  (54) [Title of the Invention] Game machine
(43) [Date of Publication] October 22, Heisei 14 (2002, 10.22)
  (11) [Publication No.] JP,2002-306804,A (P2002-306804A)
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                                                Bibliography
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[Name] Rock face Fuyuki (besides one person) [Theme code (reference)] [F term (reference)]

50088 AA33 BCO7 BC15 BC22 BC47 BC58 CA19 EB63

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[Technical problem] Also with numeric values other than the numeric value used in order to determine whether consider as a specific game state, a numeric value

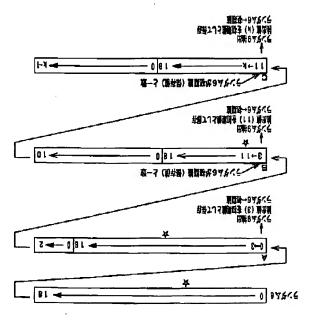
### Summary

(57) [Abstract]

makes it difficult to specify the timing which is in agreement with a predetermined value from the game opportunity outside.

[Means for Solution] Whenever the value of the counter (counter for the number determination of rounds) for generating random 6 takes 1 round (19 counts), initial value new as counted value is set up, and stepping of the counter is henceforth determining the initial value of the counter for generating random 6 is counted up in remainder time of game control processing. And since the remainder time differs according to the advance situation of a game, it is random periods. Consequently, since the value of the random 9 generated also turns into a random value, the initial value of the counter for the number determination of rounds also changes at random value of the counter for the number determination of rounds also changes at random value of the counter for the number determination of rounds also changes at random value of the counter for the number determination of rounds also changes at random.

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# **CLAIMS**

[Claim 1] The game machine which is equipped with the following and characterized by controlling so that the timing whose numeric value updated with the renewal means for a judgment of a numeric value for the aforementioned number of times of an upper limit corresponds with the aforementioned predetermined decision value becomes unfixed. A game person performs a predetermined game and it is a game machine controllable in the advantageous specific game state for a game person according to specific condition formation. It is possible to make it continue repeatedly until it reaches the number of times of a continuation upper limit in a predetermined round based on formation of continuation conditions in the predetermined round based on formation of continuation conditions in the

that it had the special adjustable display which can change a display state and the [Claim 5] It is a game machine controllable in the specific game state on condition game state end. internal structure change of adjustable winning-a-prize equipment after a specific according to claim 2 or 3 which makes a decision specially in connection with Claim 4] A internal structure change determination means is a game machine change of the special adjustable winning-a-prize equipment in a specific game state. according to claim 2 which makes a decision in connection with internal structure [Claim 3] A internal structure change determination means is a game machine predetermined decision value based on predetermined condition formation winning-a-prize equipment based on the extracted numeric value and a connection with internal structure change of the aforementioned special adjustable for the aforementioned internal structure change, and to make a decision in extract the numeric value of the renewal means for a judgment of a numeric value numeric-value within the limits A internal structure change determination means to aforementioned special adjustable winning-a-prize equipment by predetermined special adjustable winning-a-prize equipment, and I internal structure change of the connection with the inflow of the game medium to the specific field prepared in this judgment in connection with [ it is possible to change the internal structure in internal structure change to update the numeric value for a judgment used for the winning-a-prize equipment A renewal means for a Judgment of a numeric value for the aforementioned specific game state. the aforementioned special adjustable prize equipment which can change to an advantageous state for the game person in formation. It is the game machine equipped with the special adjustable winning-aadvantageous specific game state for a game person according to specific condition unfixed. A game person can perform a predetermined game and it can control in the change corresponds with the aforementioned predetermined decision value becomes means for a judgment of a numeric value for the aforementioned internal structure by controlling so that the timing whose numeric value updated with the renewal [Claim 2] The game machine which is equipped with the following and characterized decision value based on predetermined condition formation specific game state based on the extracted numeric value and a predetermined number of times of a continuation upper limit of the round in the aforementioned for the aforementioned number of times of an upper limit, and to determine the extract the numeric value of the renewal means for a judgment of a numeric value value within the limits A number-of-times determination means of an upper limit to of the round in the aforementioned specific game state by predetermined numericjudgment used for the judgment of the number of times of a continuation upper limit value for the number of times of an upper limit to update the numeric value for a aforementioned specific game state. A renewal means for a judgment of a numeric

display result in the aforementioned special adjustable display became the specific display mode defined beforehand. A renewal means for a judgment of a numeric

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value for a special adjustable display to update the numeric value for a judgment used for the judgment of whether to display a specific display mode in an adjustable display specially by predetermined numeric-value within the limits, Based on predetermined condition formation, the numeric value of the renewal means for a judgment of a numeric value for the aforementioned special adjustable display is extracted. When the extracted numeric value is in agreement with a specific decision value, it has a specific display mode determination means to determine that the display result in the aforementioned special adjustable display will consider as the aforementioned specific display mode. The claim 1 controlled so that the timing whose numeric value updated with the renewal means for a judgment of a numeric value to the aforementioned specific decision value becomes unfixed, or a game machine aforementioned specific decision value becomes unfixed, or a game machine according to claim 4.

[Claim 6] By detection of a starting detection means which detects a game medium in the starting field established in the game field By detection of a specific detection in the starting specific detection of a specific detection of a specific detection in the starting field established in the game field By detection of a specific detection of a speci

according to claim 4. [Claim 6] By detection of a starting detection means which detects a game medium in the starting field established in the game field By detection of a specific detection of a specific detection means which detects a game medium in the specific field which has special adjustable winning—a—prize equipment which performs starting operation which will be in the 1st state advantageous to a game person from the 2nd disadvantageous state, and was established in the aforementioned special adjustable winning—a-prize equipment for the game person The claim 1 which generates the specific game state which controls the aforementioned special adjustable winning—a-prize equipment by aforementioned starting operation in the 1st state of the above, or a game machine aforementioned starting operation in the 1st state of the above, or a game machine according to claim 4.

display mode determination means to determine to consider as a special display for the aforementioned judgment adjustable display is extracted. It has a judgment formation, the numeric value of the renewal means for a judgment of a numeric value predetermined numeric-value within the limits Based on predetermined condition judgment of a numeric value for a judgment adjustable display to update by judgment of whether to display a special display mode with a renewal means for a adjustable display -- the above -- the numeric value for a judgment used for the became the special display mode defined beforehand, the aforementioned judgment change and the display result in the aforementioned judgment adjustable display condition that it had the judgment adjustable display trom which a display state can [Claim 8] It is the game machine which guides a game medium to a field specially on starting field during the period which is in this right generating state. game medium having been detected by the starting detection means prepared in the game person from a disadvantageous state for a game person specially based on the which controls adjustable winning-a-prize equipment in the advantageous state for a The game machine according to claim I made to generate the specific game state detection means specially prepared in the field, it will be in a right generating state. [Claim 7] On condition that the game medium was detected with the special

mode. a display result [ in / the aforementioned judgment adjustable display / when the extracted numeric value is in agreement with the decision value for a judgment adjustable display ] — the above — The game machine according to claim 7 controlled so that the timing whose numeric value updated with the renewal means for a judgment of a numeric value for the aforementioned judgment adjustable display corresponds with the decision value for the aforementioned judgment

the aforementioned common adjustable display becomes unfixed, or a game machine aforementioned common adjustable display corresponds with the decision value for updated with the renewal means for a judgment of a numeric value for the display mode. The claim 1 controlled so that the timing whose numeric value aforementioned common adjustable display into the aforementioned predetermined display mode determination means to determine to make the display result in the in agreement with the decision value for an adjustable display, it has a common common adjustable display is extracted. When the extracted numeric value is usually the renewal means for a judgment of a numeric value for the aforementioned within the limits, Based on predetermined condition formation, the numeric value of the aforementioned common adjustable display by predetermined numeric-value judgment of whether to display the aforementioned predetermined display mode in an adjustable display to update the numeric value for a judgment used for the defined beforehand, A renewal means for a judgment of a numeric value usually for result which can change a display state became the predetermined display mode adjustable display and the aforementioned common adjustable display / usually ] advantageous state for a game person on condition that the display [ in / an [Claim 9] The common adjustable winning a prize equipment which changes to the adjustable display becomes unfixed.

Eclaim 10] A predetermined period is equipped with the change data-storage means which can hold the memorized data even if the electric power supply to a game machine stops. for the sforementioned change data-storage means After the numeric value of the renewal means for a judgment of a numeric value is memorized continue renewal of the numeric value of the aforementioned renewal means for a judgment of a numeric value based on the numeric value currently held at the judgment of a numeric value based on the numeric value currently held at the storementioned change data-storage means when an electric power supply is

restored, or a game machine according to claim 9. [Claim 11] The claim 1 controlled so that the timing which is in agreement with a decision value with an initial value change means to change the initial value of the aforementioned renewal means for a judgment of a numeric value of a renewal means for initial value of a numeric value to update the numeric value for initial value of the numeric value of a numeric value for initial value of the numeric value for initial value of the numeric value of a numeric value of a numeric value of the aforementioned renewal means for a judgment of a numeric value

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carries out the predetermined time circumference becomes unfixed, or a game machine according to claim 10.

[Claim 12] It is the game machine of the time which it has the game control means perform which control advance of a game, the aforementioned game control processing according to generating of interruption generated periodically, and the aforementioned game control processing takes the numeric value of the renewal means for initial value of a numeric value according to claim 11 repeatedly updated not much in time.

[Claim 13] It is the game machine according to claim 12 set as the interrupt inhibition state during the processing which updates the numeric value of the inhibition state during the processing which updates the numeric value of the

Tepeatedly updated not much in time.

[Claim 13] It is the game machine according to claim 12 set as the interrupt inhibition state during the processing which updates the numeric value of the renewal means for initial value of a numeric value in time not much.

[Claim 14] A predetermined period is equipped with the change data-storage means which can hold the memorized data even if the electric power supply to a game machine stops. for the aforementioned change data-storage means After the numeric value of the renewal means for initial value of a numeric value is memorized and the electric power supply to a game machine stops, The claim 11 which can continue renewal of the numeric value of the aforementioned renewal means for initial value of a numeric value based on the numeric value currently held at the initial value of a numeric value based on the numeric value currently held at the aforementioned change data-storage means when an electric power supply is

restored, or a game machine according to claim 13. [Claim 15] They are the claim 1 equipped with the game control means which control prepared in the game machine based on the command transmitted from the aforementioned game control means by which the renewal means for a judgment of a numeric value is included in the aforementioned game control means or a game

machine according to claim 14. [Claim 16] They are the claim 1 equipped with the game control means which control means advance of a game, and the sound control means which command transmitted from the aforementioned game control means by which the renewal means for a judgment of a storementioned game control means by which the renewal means for a judgment of a numeric value is included in the aforementioned game control means, or a game

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machine according to claim 15.

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### **DETAILED DESCRIPTION**

[Detailed Description of the Invention]

[1000]

[The technical field to which invention belongs] A game person performs a predetermined game and this invention relates to game machines, such as a pachinko game machine controllable in the advantageous specific game state, for a game person according to specific condition formation.

periodically and counted value exceeds maximum. value of the counter which returns to initial value, if it generally counts up be determined. A random number value will be acquired by extracting the counted beforehand that a random number value will be, considering as "great success" will generated, and if in agreement with the great success decision value it is decided machine, if predetermined conditions are satisfied, a random number will be to a game person in a pachinko game machine, in the game control in such a game many premium spheres etc. may be given to a game person, as a state advantageous [0003] Although there is a specific game state (great success game state) where conditions of awarded-balls expenditure become easy to be satisfied. where a hit ball tends to win a prize, for a bird clapper and a game person, and the machine being in a state advantageous to the advantageous state for a game person winning-a-prize sphere equipment prepared in the game field of for example, a game a bird clapper at the state where generating the right for the state of adjustable that predetermined game value might be given to a game person. Game value is with predetermined conditions are satisfied, there are some which were constituted so pay out to a game person. Furthermore, when the game is performed and the game field, there are some which the awarded balls of a predetermined individual wins a prize of winning-a-prize fields, such as a winning-a-prize mouth prepared in sphere, are discharged to a game field with a launcher, and when a game medium [Description of the Prior Art] As a game machine, game media, such as a game [0005]

[0004] Since the counted value of a counted up periodically, if the period of count—up and the period which the counted value of a counter carries out I round are detected with a certain means, the timing which generates the random number value which is in agreement with a great success decision value will be recognized. Then, it will become possible to generate "great success" frequently by performing the game which aimed at the timing which the random number value which is in agreement with a great success decision value generates. An inaccurate substrate may be attached in a game machine in order to sim at the timing which the random may be attached in a game machine in order to sim at the timing which the random

[9000] produces "great success" from the exterior. it will become difficult to aim at generating of a random number value which counted value to a specific value is proposed. If such counter control is performed, produces "great success", making it return to a random value rather than returning the unjust signal which aimed at generating of a random number value which [0005] If counted value reaches maximum in order to prevent the malteasance by profit will arise at the game store in which the game machine is installed. the timing, and to generate "great success" unjustly. Consequently, disadvantageous send a predetermined signal to the circuit portion which performs game control to decision value generates. And it becomes possible for an inaccurate substrate to timing which the random number value which is in agreement with a great success portion which performs game control based on the signal, and has detected the shell exterior which performs game control, detected the starting timing of a circuit Such an inaccurate substrate introduced the signal outputted to the circuit partial number value which is in agreement with a great success decision value generates.

other than the numeric value used in order to determine whether consider as a predetermined value from the game opportunity outside also with numeric values value can make it difficult to specify the timing which is in agreement with a [0007] Then, this invention aims at offering the game machine with which a numeric value, sufficient measures are not taken to those random numbers. a game machine and a random number value is in agreement with a predetermined number used in order to determine whether it considers as a specific game state as state for a game person if various random numbers are used besides the random although the game machine is constituted so that it may be in the advantageous random number value which produces a specific game state are taken. However, preventing the malfeasance by the unjust signal which aimed at generating of a [Problem(s) to be Solved by the Invention] As mentioned above, the measures for

advantageous specific game state for a game person according to specific condition the game machine by this invention is a game machine controllable in the [Means for Solving the Problem] A game person performs a predetermined game and [8000] specific game state.

judgment of a numeric value for the number of times of an upper limit is extracted. It predetermined condition formation, the numeric value of the renewal means for a within the limits (for example, random counter for generating 6), Based on upper limit of the round in a specific game state by predetermined numeric-value value for a judgment used for the judgment of the number of times of a continuation a numeric value for the number of times of an upper limit to update the numeric continuation conditions in a specific game state. A renewal means for a judgment of times of a continuation upper limit in a predetermined round based on formation of formation. It is possible to make it continue repeatedly until it reaches the number of

decision value becomes unfixed. numeric value for internal structure change corresponds with a predetermined timing whose numeric value updated with the renewal means for a judgment of a processing of Steps S214-S217 or Steps S224-S227) is controlled so that the internal structure for a game person). It is characterized by what (for example, predetermined decision value (for example, value corresponding to the advantageous a-prize equipment specially based on the extracted numeric value and a make a decision in connection with internal structure change of adjustable winningmeanses (for example, CPU56, especially processing of Steps 586 and 5502 etc.) to internal structure change is extracted. It has internal structure change determination the numeric value of the renewal means for a judgment of a numeric value for example, random 6 ] for generating 10), Based on predetermined condition formation, equipment by predetermined numeric-value within the limits (random counter [ For in connection with internal structure change of adjustable winning-a-prize change to update the numeric value for a judgment specially used for the judgment equipment. A renewal means for a judgment of a numeric value for internal structure specific acceptance mouth 242) specially prepared in adjustable winning-a-prize in connection with the inflow of the game medium to the specific field (for example, adjustable winning-a-prize equipment It is possible to change the internal structure advantageous state for the game person in the specific game state. specially adjustable winning-a-prize sphere equipment 220) which can change to an equipped with the special adjustable winning-a-prize equipment (for example, for a game person according to specific condition formation. It is the game machine other modes by this invention can control it in the advantageous specific game state [0009] A game person can perform a predetermined game and the game machine of predetermined decision value becomes unfixed. numeric value for the number of times of an upper limit corresponds with a timing whose numeric value updated with the renewal means for a judgment of a the number determination of rounds). It is characterized by controlling so that the numeric value and a predetermined decision value (for example, decision value for continuation upper limit of the round in a specific game state based on the extracted especially processing of Step S65 etc.) to determine the number of times of a has number-of-times determination meanses of an upper limit (for example, CPU56,

decision value becomes untixed.

[0010] The internal structure change determination means may be constituted so that a decision in connection with internal structure change of the special adjustable winning—a-prize equipment in a specific game state may be made.

[0011] The internal structure change determination means may be constituted so winning—a-prize equipment after a specific game state end may be made.

[0012] It has the specially in connection with internal structure change of adjustable winning—a-prize equipment after a specific game state end may be made.

[0012] It has the special adjustable display (for example, adjustable display 9) which can change a display state. It is a game machine controllable in the specific game can change a display state. It is a game machine controllable in the specific game state on condition that the display result in an adjustable display became the

condition that the display result in a judgment adjustable display became the special medium to a field (for example, specially equipment operating space 544) specially on from which a display state can change. It is the game machine which guides a game [0015] It has the judgment adjustable display (for example, adjustable display 512) disadvantageous state for a game person specially may be generated. prize sphere equipment 555) in the advantageous state for a game person from the controls adjustable winning-a-prize equipment (for example, adjustable winning-agenerating state. It may be constituted so that the specific game state which starting winning-a-prize equipment 520) during the period which is in the right (for example, starting mouth switch 520a) prepared in the starting field (for example, based on the game medium having been detected by the starting detection means specially equipment operating space 544), it will be in a right generating state. It is means (for example, sensor 544a) specially prepared in the field (for example, [0014] On condition that the game medium was detected with the special detection the 1st state specially may be generated. specific mode still more advantageous to a game person than starting operation in the specific game state which controls adjustable winning-a-prize equipment by the established in adjustable winning-a-prize equipment it may be constituted so that detector 248) which detects a game medium in the specific field specially game person. By detection of a specific detection means (for example, specific ball 1st state advantageous to a game person from the 2nd state disadvantageous for a a-prize sphere equipment 220) which performs starting operation which will be in the has special adjustable winning-a-prize equipment (for example, adjustable winningexample, starting winning-a-prize mouths 204a-204c) established in the game field It detectors 205a-205c) which detects a game medium in the starting field (for [0013] By detection of a starting detection means (for example, starting ball constituted like (for example, steps \$104-\$107) display corresponds with a specific decision value becomes unfixed -- it may be updated with the renewal means for a judgment of a numeric value for an adjustable specific display mode, it controls so that the timing whose numeric value specially determine specially that the display result in an adjustable display will consider as a determination means (for example, CPU56, especially processing of Step S54) to in agreement with a specific decision value, it has a specific display mode for an adjustable display is extracted specially. When the extracted numeric value is formation, the numeric value of the renewal means for a judgment of a numeric value example, random counter for generating 1), Based on predetermined condition adjustable display specially by predetermined numeric-value within the limits (for judgment used for the judgment of whether to display a specific display mode in an of a numeric value for a special adjustable display to update the numeric value for a should put together) defined beforehand specially. A renewal means for a judgment specific display mode (for example, the pattern which generates great success

display mode defined beforehand. A renewal means for a judgment of a numeric

power supply is restored after the electric power supply to a game machine stopped, counter for generating random 10 or random 12 is memorized. when an electric random 5, and random 6, The numeric value of the counter for generating the counter for generating 1 --) The counter for generating the counter for generating renewal means for a judgment of a numeric value (for example, random -- the power supply to a game machine stops. a change data-storage means -- the example, backup RAM) which can hold the memorized data even if the electric [0017] A predetermined period is equipped with the change data-storage means (for like (for example, \$204-5207, \$304-5307, Steps \$404-5407) decision value for an adjustable display becomes unfixed — it may be constituted a judgment of a numeric value for an adjustable display usually corresponds with the so that the timing whose numeric value usually updated with the renewal means for display result in an adjustable display into a predetermined display mode. it controls CPU56, especially steps S27, S87, and S337) to determine to usually make the adjustable display, it has a common display mode determination means (for example, extracted numeric value is usually in agreement with the decision value for an judgment of a numeric value for an adjustable display is usually extracted. When the predetermined condition formation, the numeric value of the renewal means for a value within the limits (for example, random counter for generating 5), Based on a predetermined display mode in an adjustable display by predetermined numericthe numeric value for a judgment used for the judgment of whether to usually display means for a judgment of a numeric value usually for an adjustable display to update prize sphere equipment 220, and the common electric accessory 550), A renewal example, (adjustable winning-a-prize sphere equipment 15, adjustable winning-astate for a game person -- adjustable winning-a-prize equipment usually For mode (for example, hit pattern) defined beforehand, it changes to the advantageous the display result in an adjustable display usually became the predetermined display pattern display [ For example, usually the pattern drop 10 1 510), on condition that [0103] The common adjustable display which can change a display state (usually the decision value for a judgment adjustable display becomes unfixed. for a judgment of a numeric value for a judgment adjustable display corresponds with controlled so that the timing whose numeric value updated with the renewal means special display mode. It is characterized by what (for example, steps \$324-\$327) is S336) to determine to make the display result in a judgment adjustable display into a judgment display mode determination means (for example, CPU56, especially step agreement with the decision value for a judgment adjustable display, it has a judgment adjustable display is extracted. When the extracted numeric value is in numeric value of the renewal means for a judgment of a numeric value for a random counter for generating 12), Based on predetermined condition formation, the adjustable display by predetermined numeric-value within the limits (for example, used for the judgment of whether to display a display mode special at a judgment value for a judgment adjustable display to update the numeric value for a judgment

it is possible to continue renewal of the numeric value of the renewal means for a judgment of a numeric value based on the numeric value currently held at the change data-storage means — it may be constituted like (for example, game state restoration processing of Step \$10)

with a decision value becomes unfixed and it may control. Steps S324-S327 It may be constituted so that the timing which is in agreement Steps S214-S217, Steps S224-S227, Steps S304-S307, Steps S314-S317, and Steps S104-S107, Steps S114-S117, and Steps S124-S127, By Steps S204-S207, value carries out the predetermined time circumference Processing of processing of initial value if the numeric value of the renewal means for a judgment of a numeric of the renewal means for a judgment of a numeric value using the numeric value for (for example, CPU56 -- especially) to change the initial value of the numeric value counter for generating random 11, or random 13, and an initial value change means counter for generating random 8, and random 9, The counter for generating the the numeric value of the counter for generating 12 The counter for generating the -- the counter for generating 7 --) to update the numeric value for initial value of random -- a renewal means for initial value of a numeric value (for example, random generating random 5, and random 6, random -- the counter for generating 10 -- or the counter for generating 1 --) The counter for generating the counter for [0018] the renewal means for a judgment of a numeric value (for example, random --

with a decision value becomes unfixed and it may control. [0019] It has the game control means (CPU56 grade) which control advance of a game. game control means According to generating of interruption generated periodically, game control processing (Step S21 – S32 grade) is performed. the renewal means for initial value of a numeric value (for example, random — the counter for generating 7 —) The counter for generating the counter for generating tandom — the time which game control processing takes to the numeric value of the counter for generating 11 — or random — the time which game control processing takes to the numeric value of the counter for generating 13 — it may be constituted so that it may be repeatedly updated not for generating 13 — it may be constituted so that it may be repeatedly updated not

much in time (for example, steps \$16-\$19)

[0020] Being set as an interrupt inhibition state is desirable during the processing which updates the numeric value of the renewal means for initial value of a numeric value in time not much (for example, step \$16)

value in time not much (for example, step \$16). [0021] A predetermined period is equipped with the change data-storage means (for example, backup RAM) which can hold the memorized data even if the electric power supply to a game machine stops. a change data-storage means — the renewal means for initial value of a numeric value (for example, random — the counter for generating 1 —) The counter for generating the counter for generating the counter for generating the counter for generating the numeric value of the counter for generating the counter for generating random 11 or random 13 is memorized, when an electric power supply is restored after the electric power supply to a game machine stopped, it is possible to continue renewal of the numeric value of the renewal means for initial value of a numeric value based on the numeric value currently held at the initial value of a numeric value based on the numeric value currently held at the

game board. the transverse plane, and drawing 2 are the front view showing the front face of the explained. The front view with which drawing I saw the pachinko game machine from whole 1st sort pachinko game machine which is an example of a game machine is reference to a drawing below gestalt 1. of operation. First, the composition of the [Embodiments of the Invention] I operation gestalt of this invention is explained with [0024] generating 12 may be constituted so that it may be contained in game control means 6 -- random -- the counter for generating 10 -- or random -- the counter for --) random -- the counter for generating 5 -- random -- the counter for generating a judgment of a numeric value (for example, random -- the counter for generating 1 based on the command transmitted from game control means, the renewal means for sound generating means (for example, loudspeaker 27) prepared in the game machine game, and the sound control means (CPU701 for sound control) which control the [0023] It has the game control means (CPU56 grade) which control advance of a contained in game control means -- or random -- the counter for generating 12 may be constituted so that it may be random -- the counter for generating 6 -- random -- the counter for generating 10 -- the counter for generating 1 -- random -- the counter for generating 5 --52 grade. the renewal means for a judgment of a numeric value (for example, random perform control of \*\*\*\* lamp 28c, the awarded-balls lamp 51, and sphere piece lamp means It has the emitter control means (CPU351 grade for ramp control) which control means (CPU56 grade) which control advance of a game, and game control prepared in the game machine based on the command transmitted from the game storage drop 41, the ornament lamp 25, \*\*\*\* lamp 28a, and left frame lamp 28b ---) [0022] the emitter (the starting storage drop 18 -- usually -- the pattern starting restoration processing of Step 510) change data-storage means -- it may be constituted like (for example, game state

game board.

[0025] The pachinko game machine 1 consists of an outer frame (not shown) formed in the shape of [longwise] a rectangle, and a game frame attached possible [opening and closing] inside the outer frame. Moreover, the pachinko game machine trame possible \ opening and closing] inside the outer frame. A game frame is the structure containing the front frame (not shown) installed free [opening and closing] to an outer frame, the mechanism board with which a mechanism element etc. is attached, and the various parts (except for the game board mentioned later) attached in them. [0026] As shown in drawing 1, the pachinko game machine 1 has the glass door frame 2 formed in the shape of a frame. The hit ball supply pan (upper pan) 3 is shown in the lower front face of the glass door frame 2. The hit ball operation handle (operating knob) 5 which discharges the surplus sphere saucer 4 which stores the game sphere which cannot be held in the hit ball supply pan 3, and a hit ball is formed in the lower part of the hit ball supply pan 3. The game board 6 is attached in formed in the lower part of the hit ball supply pan 3. The game board 6 is attached in formed in the lower part of the hit ball supply pan 3. The game board 6 is attached in formed in the lower part of the hit ball supply pan 3. The game board 6 is attached in formed in the lower part of the hit ball supply pan 3. The game board 6 is attached in formed in the lower part of the ball supply pan 3. The game board 6 is attached in formed in the lower part of the ball supply pan 3. The game board 6 is attached in formed in the lower part of the ball supply pan 3. The game board 6 is attached in formed in the lower part of the ball supply pan 3. The game board 6 is attached in formed in the lower part of the ball supply pan 3. The game ball supply pan 3 is a stached in the lower part of the ball supply pan 3.

the tooth back of the glass door frame 2 removable. In addition, the game board 6 is the structure containing the plate which constitutes it, and the various parts attached in the plate. Moreover, the game field 7 is formed in the front face of the

game board 6.

[0027] The adjustable display (specially adjustable display) 9 containing two or more adjustable displays to which each indicates the pattern as identification information by adjustable is formed near the center of the game field 7. Three adjustable displays (pattern display area), the "left", "inside", and the "right", are shown in the adjustable display 9, the starting winning—a-prize mouth 14 is formed. The winning—a-prize sphere included in the starting winning—a-prize mouth 14 is led to the tooth back of the game board 6, and is detected by starting mouth switch 14a. Moreover, the adjustable winning—a-prize sphere equipment 15 which performs switching action is formed in the lower part of the starting winning—a-prize mouth 14. Adjustable winning—a-prize sphere equipment 15 which performs switching action is formed in the lower part of the starting winning—a-prize mouth 14. Adjustable winning—a-prize sphere equipment 15 is made an open state by the solenoid 16.

starting storage drop 41 which has a display by four Light Emitting Diodes which storage will usually be increased one. Near the pattern drop 10, the common pattern display state usually changes in the pattern drop 10, the value of pattern starting started. If it is not in the state which can start the adjustable display from which a drop 10, the adjustable display of a display of the pattern drop 10 will usually be start the adjustable display from which a display state usually changes in the pattern predetermined random number value is extracted. And if it is in the state which can 32a and pattern starting storage has not usually reached an upper limit, a [0029] If a game sphere wins a prize of the gate 32, it is detected by gate switch display 9 is started, Light Emitting Diode to turn on is reduced by one. Emitting Diode to turn on one. And whenever the adjustable display of the adjustable effective starting winning a prize, the starting storage drop 18 increases Light included in the starting winning-a-prize mouth 14, is formed. Whenever there is number of effective winning-a-prize spheres, i.e., number of starting storage, Emitting Diodes which display on the lower part of the adjustable display 9, the pattern starting storage drop (henceforth a starting storage drop) 18 by four Light mouth is also prepared in the tooth back of the game board 6. Moreover, the special count switch 23. Solenoid 21A for switching the path in a large winning-a-prize winning-a-prize sphere from the opening-and-closing board 20 is detected by the opening-and-closing board 20 is detected by V winning-a-prize switch 22, and the the winning-a-prize spheres led to the tooth back of the game board 6 from the which it went on the other hand (V winning-a-prize field as a specific field) among to open and close a large winning-a-prize mouth. The winning-a-prize sphere into winning-a-prize sphere equipment 15. The opening-and-closing board 20 is a means state (great success state) is formed is installed in the lower part of adjustable and-closing board 20 made an open state by the solenoid 21 in a specific game [0028] The adjustable winning-a-prize sphere equipment 24 with which the opening-

usually display the number of pattern starting storage is usually formed. Whenever winning a prize to the gate 32 is, the pattern starting storage drop 41 usually increases Light Emitting Diode to turn on one. And whenever the adjustable display of the pattern drop 10 is usually started, Light Emitting Diode to turn on is reduced by one. In addition, it can also constitute so that the pattern may usually be specially indicated by adjustable with one adjustable display with a pattern. In this case, an adjustable display is usually specially realized by one adjustable display with

an adjustable display. [0030] With the gestalt of this operation, when a lamp (the check by looking of a pattern is attained at the time of lighting) on either side lights up by turns, an adjustable display is performed and predetermined—time (for example, 29 seconds) continuation of the adjustable display is carried out. And it will become a hit if a left-hand side lamp lights up at the time of the end of an adjustable display. It is determined by whether the value of consider [ it \ as a hit ] of the random number extracted when a game sphere won a prize of the gate 32 corresponded with the predetermined hit decision value. The display result of the adjustable display in the pattern drop 10 usually hits and comes out, and it will be in the state where in a certain case adjustable winning—a-prize sphere equipment 15 will be in an open state only in the number of times of predetermined, and a predetermined time, and a game sphere tends to win a prize. That is, the halt pattern of a pattern usually hits, and the state of adjustable winning—a-prize sphere equipment 15 changes from the disadvantageous state for a game person to an advantageous state, when it is a

pattern. [0031] Furthermore, in the probability-changing state, while the probability which the halt pattern in the pattern drop 10 usually hits, and becomes a pattern is raised, inner one side or the inner both sides of the released time of adjustable winning-a-prize sphere equipment 15 and the number of times of opening is raised, and it becomes still more advantageous for a game person. Moreover, you may make it become still more advantageous to a game person in the predetermined state, such become still more advantageous to a game person in the predetermined state, such as a probability-changing state, by usually shortening the adjustable display period as a probability-changing state, by usually shortening the adjustable display period

(change time) in the pattern drop 10. [0032] In the game board 6, two or more winning—a-prize mouths 29, 30, 33, and 39 are formed, and winning a prize to the winning—a-prize mouth solution 29, 30, 33, and 33 of a game sphere is detected with the winning—a-prize mouth switches 29a, 30a, 33a, and 39a, respectively. On the outskirts of right and left of the game field 7, the ornament mouth 25 by which it is indicated by blink is formed into a game, and there is an out mouth 26 which absorbs the hit ball which did not win a prize in the lower part. Moreover, two loudspeakers 27 which emit a sound effect are formed in the right—and—left upper part of the outside of the game field 7. \*\*\*\* lamp 28a, left frame lamp 28b, and \*\*\*\* lamp 28c are prepared in the periphery of the game field 7. \*\*\*\* lamp Furthermore, Ornament Light Emitting Diode is installed in the circumference of each structures (large winning—a-prize mouth etc.) in the game field 7. \*\*\*\* lamp each structures (large winning—a-prize mouth etc.) in the game field 7. \*\*\*\* lamp

and the card unit 50 which makes a sphere loan possible is also shown by by Furthermore, the pachinko game machine 1 is adjoined, it is installed in drawing 1, 52 turned on when a supply sphere goes out is formed near the \*\*\*\* lamp 28a. number of \*\*\*\*\*\* is formed near the left frame lamp 28b, and the sphere piece lamp [0033] And in this example, the awarded-balls lamp 51 turned on when there is the are examples of the ornament emitter prepared in the game machine. 28a, left frame lamp 28b, \*\*\*\* lamp 28c, and Light Emitting Diode for an ornament

display lamp 154 and record medium in which it is shown that the card is thrown in [0034] To the card unit 50 Whether it is in an usable state As the card injection inserting a prepaid card.

formed. inserted, and a card slot 155, the card unit lock 156 for releasing the card unit 50 is reader writer prepared in the rear face of the card slot 155 in which a \*\* card is game machine 1, and the card unit 50 When checking the mechanism of a card in which it is shown whether the card unit 50 corresponds to which near pachinko in the shown use good display lamp 151, the direction drop 153 of a connection base

specially. If it is not in the state which can start the adjustable display of a pattern, 14a, in the adjustable display 9, a pattern will begin an adjustable display (change) into the starting winning-a-prize mouth 14 and is detected by starting mouth switch the state which can start the adjustable display of a pattern when a hit ball goes field 7 through a hit ball rail, and gets down from the game field \ after that. If it is in [0035] The game sphere discharged from the hit ball launcher goes into the game

opening-and-closing board 20 will be performed again. Number-of-times (for V winning-a-prize switch 22, the right of continuation will occur and opening of the prize field during opening of the opening-and-closing board 20 and it is detected by example, ten pieces) wins a prize. And if a game sphere wins a prize to V winning-acarries out fixed time progress, or until the hit ball of the predetermined number (for great success game state. That is, it opens until the opening-and-closing board 20 time of a halt shifts that it is a great success pattern (specific display mode) to a turned off when fixed time passes. The combination of the special pattern at the [0036] The adjustable display of the special pattern in the adjustable display 9 is the number of starting storage will be increased one.

the right of continuation is carried out. example, a maximum of 15 rounds) permission of predetermined of the generating of

a great success becomes high. Namely, it will be in the still more advantageous state figure) accompanied by probability change, the probability which is next becoming it time of a halt is the combination of the great success pattern (probability-changing [0037] When the combination of the special pattern in the adjustable display 9 at the

equipment 24 can change to a state advantageous to a game person. adjustable winning-a-prize equipment from which adjustable winning-a-prize sphere [0038] In addition, with the gestalt of this operation, it is equivalent to the special for a game person called a probability-changing state.

substrate 190. switch 921 and other substrates of main substrate 31 grade is formed in the switch board 37 grade) was carried is formed. The connector 922 connected with the clear halt, included in each substrate (the main substrate 31 and expenditure control i.e., backup, which can hold the content also at the time of an electric power supply maintenance means of storage, for example, the change data-storage means (RAM), operation means for clearing the backup data memorized by the content [0042] Furthermore, the switch substrate 190 in which the clear switch 921 as an opportunity exterior is installed near the center. outputting the various information from the main substrate 31 to the game Moreover, the information terminal board 34 equipped with each terminal for external output of the number signal are prepared in the terminal substrate 160. and the terminal for a sphere loan for carrying out ball rental and carrying out the and carrying out an external output and the awarded-balls number signal at least terminal for sphere pieces for introducing the output of a sphere piece pilot switch is installed. The terminal for awarded balls for carrying out the external output of the each terminal for outputting various information to the game opportunity exterior up [0041] In the game machine rear face, the terminal substrate 160 equipped with DC12V, and DC5V was carried again, and the discharge control board 91 are formed. power supply substrate 910 in which the power circuit which creates DC30V, DC21V, sound generating from a loudspeaker 27 were carried are also formed. Moreover, the and the sound control board 70 in which the sound control means which control \*\*\*\* lamp 28c, the awarded-balls lamp 51, and the sphere piece lamp 52 was carried, the ramp-control means which carries out lighting control of left frame lamp 28b, frame side prepared in the game board 6, The ramp-control substrate 35 in which 28a usually prepared in the pattern starting storage drop 41, ornament lamp 25, and various ornaments Light Emitting Diode, the starting storage drop 18, and \*\*\*\* lamp which performs sphere expenditure control was carried is installed. Furthermore, the expenditure control board 37 in which the microcomputer for expenditure control which controls the adjustable display 9 were carried is installed. Moreover, the a microcomputer for game control, etc. containing the pattern control board 80 control board (the main substrate) 31 in which the adjustable display-control unit 49, [0040] As shown in drawing 3, in the game machine rear-face side, the game the game machine from the rear face. explained with reference to drawing 3. Drawing 3 is the rear view which looked at [0039] Next, the structure of the rear face of the pachinko game machine I is

[0043] The game sphere stored by the reservoir tank 38 passes along a guidance rail, and results in the sphere expenditure equipment covered by awarded-balls case 40A. The sphere piece switch 187 as a game medium piece detection means is formed in the upper part of sphere expenditure equipment. The sphere piece switch's 187 detection of a sphere piece stops expenditure operation of sphere expenditure equipment. Although the sphere piece switch. 187 is a switch which detects the equipment.

existence of the game sphere in a game sphere path, the sphere piece pilot switch 167 which detects shortage of the supply sphere in the reservoir tank 38 is also formed in the upper portion (portion close to the reservoir tank 38) in a guidance rail. The sphere piece pilot switch's 167 detection of shortage of a game sphere performs supply of a game sphere from the supply mechanism prepared in the game performs supply of a game sphere from the supply mechanism prepared in the game

machine installation island to a game machine. [0044] If many the game spheres as a premium and the game spheres based on some carry out ball rental and 1 a demand based on winning a prize pay out, the hit ball supply pan 3 fills and a game sphere pays out further, a game sphere will be led to the surplus sphere saucer 4. If a game sphere furthermore pays out, the full switch 48 (not shown in drawing 3) turns on. In the state, while rotation of the expenditure motor in sphere expenditure equipment stops and operation of sphere expenditure

equipment stops, the drive of a launcher is also stopped.

[0045] Drawing 4 is the block diagram showing an example of the circuitry in the main substrate 31. In addition, the expenditure control board 37, the ramp-control substrate 35, the sound control board 70, the discharge control board 91, and the pattern control board 80 are also shown in drawing 4. The basic circuit 53 which program, Gate switch 32a, starting mouth switch 14a, V winning—a-prize switch 22, the count switch 32a, starting mouth switches 29a, 30a, 33a, and 39a, The switching circuit 58 which gives the full switch 48, the sphere piece switch 187, swarded—balls count switch 301A, and the signal from the clear switch 921 to the basic circuit 53, The solenoid circuit 59 which drives solenoid 21A for switching the path in the solenoid 16 which opens and closes adjustable winning—a-prize sphere equipment 15, the solenoid 21 which open and closes adjustable winning—a-prize sphere equipment 15, the solenoid 21 which open and close the opening—a-prize sphere equipment 15, the solenoid 21 which open and close the opening—a-prize sphere equipment 15, the solenoid 21 which open and close the opening—a-prize sphere

circuit 53 is carried.

[0046] In addition, although not shown in drawing 4, a count switch short circuit signal is also transmitted to the basic circuit 53 through a switching circuit 58.

Moreover, switches, such as gate switch 32a, starting mouth switch 14a, V winning—a-prize switch 22, the count switch 23, the winning—a-prize mouth switches 29a, 30a, 33a, and 39a, the full switch 48, the sphere piece switch 187, and swarded—balls count switch 301A, may be called the sensor. That is, the name will not be asked if it is a game medium detection means (this example game sphere detection means) by which a game sphere is detectable. It is same also with the gestalt of other operations that what is called the sensor is sufficient as what is called the switch, i.e., a switch is an example of a game medium detection means.

[0047] Moreover, the information output circuit 64 which outputs information output [0047] Moreover, the information output circuit 64 which outputs information output

[0047] Moreover, the information output circuit 64 which outputs information output signals, such as great success information which shows generating of great success according to the data given from the basic circuit 53, effective starting information which shows the number of the starting winning—a—prize sphere used for the adjustable display 9, and probability—adjustable display start of the pattern in the adjustable display 9, and probability—

changing information which shows that probability change arose, to external devices,

such as a hole computer, is carried. [0048] The basic circuit 53 contains RAM55 as ROM54 which memorizes the program for game control etc., and a storage means (a means to memorize change data) used as work memory, CPU56 which performs control action according to a program, and the I\O Port section 57. With the gestalt of this operation, ROM54 and RAM55 are built in CPU56. That is, CPU56 is 1 chip microcomputer. In addition, that, as for 1 chip microcomputer, RAM55 should just be built in at least, even if ROM54 and the I\O Port section 57 are external they may be built in an addition.

and the I/O Port section 57 are external, they may be built in. [0049] moreover, the backup power supply by which a part or all of RAM (you may be the CPU built—in RAM.)55 is created in the power supply substrate 910 — it is the backup RAM backed up That is, even if the electric power supply to a game machine stops, the part or all the contents of RAM55 are saved for a predetermined

period. [0050] The hit ball launcher which hits a game sphere and is discharged is driven with the drive motor 94 controlled by the circuit on the discharge control board 91. And the driving force of a drive motor 94 is adjusted according to the control input of an operating knob 5. That is, it is controlled by the circuit on the discharge control board 91 so that a hit ball is discharged at the speed according to the control board 91 so that a hit ball is discharged at the speed according to the

control input of an operating knob 5. [0051] In addition, with the gestalt of this operation, the ramp-control means carried in the ramp-control substrate 35 performs the display control of the starting storage drop 18 formed in the game board, \*\*\*\* lamp prepared in frame side while usually performing display control of pattern starting storage drop 41 and ornament lamp 25 28a, left frame lamp 28b, \*\*\*\* lamp 28c, the awarded-balls lamp 51, and the sphere piece lamp 52. The emitter of the kind of Light Emitting Diode and others is sufficient as each lamp, and the emitter of other kinds is sufficient also as Light Emitting Diode used with the gestalt of this operation, and the gestalt of other operations. That is, a lamp and Light Emitting Diode are examples of an emitter. Moreover, it is performed by the adjustable display 9 and the display-control [ which usually indicates the pattern by adjustable display 9 and the display-control of usually indicates the pattern drop 10 is usually carried in the pattern control board 80 which indicate

the pattern by adjustable specially. [0052] Drawing 5 is LCD (liquid crystal display)82 which is the example of 1 realization of the adjustable display 9 about the circuitry in the pattern control board 80, and a block diagram usually shown with the output port (ports 0 and 2) 570,572 and the output-buffer circuits 620 and 62A of the pattern drop 10 and the main substrate 31. From an output port (output port 2) 572, 8-bit data are outputted and a 1-bit strobe signal (IMT signal) is outputted from an output port 570. [0053] CPU101 for display controls will receive a display-control command through input-buffer circuit 105A, if it operates according to the program stored in control compand and an IMT signal is inputted through a noise filter 107 and input-data ROM102 and an IMT signal is inputted through a noise filter 107 and input-

buffer circuit 105B from the main substrate 31. 74HC540 and 74HC14 which are general-purpose IC can be used as input-buffer circuits 105A and 105B. In addition, when CPU101 for display controls does not build in the I/O Port, an I/O Port is prepared between the input-buffer circuits 105A and 105B and CPU101 for display

controls. [0054] And CPU101 for display controls performs the display control of the screen displayed on LCD82 according to the received display—control command. Specifically, the instructions according to the display—control command are given to VDP103. VDP103 reads required data from a character ROM 86. VDP103 generates the image data from a character ROM 86. VDP103 generates the image data for displaying on LCD82 according to the inputted data, and outputs R, G, B

signal, and a synchronizing signal to LCD82. [0055] In addition, the character ROM 86 which stores the oscillator circuit 85 for giving a clock of operation to the reset circuit 83 for resetting VDP103 and VDP103 and variety and image data with high operating frequency in drawing 5 is shown. The image data with the high operating frequency stored in a character ROM 86 is a picture which with the high operating frequency stored in a character ROM 86 is a picture which consists of the person and animal which are displayed on LCD82 or a character, a

figure, or a sign. [0056] The input-buffer circuits 105A and 105B can pass a signal only in the direction which goes to the pattern control board 80 from the main substrate 31. Therefore, there is no room to transmit a signal from the pattern control board 80 side to the main substrate 31 side. Namely, as for the input-buffer circuits 105A and 105B, input port constitutes an irreversible information input means. Even if unjust reconstruction is added to the circuit in the pattern control board 80, the signal outputted by unjust reconstruction does not get across to the main substrate 31 outputted by unjust reconstruction does not get across to the main substrate 31

side. [0057] As a noise filter 107 which intercepts a RF signal, although for example, 3 terminal capacitor and a ferrite bead are used, though a noise rides on a display—control command between substrates, the influence is removed by existence of a noise filter 107. Moreover, you may prepare a noise filter also in the output side of

the buffer circuits 620 and 62A of the main substrate 31. [0058] Drawing 6 is the block diagram showing the signal transceiver portion in the main substrate 31 and the ramp-control substrate 35. With the gestalt of this operation, the ramp-control command which shows \*\*\*\* lamp 28s, prepared in the outside of the game field 7, left frame lamp 28b, \*\*\*\* lamp 28c, lighting/putting out lights of the ornament lamp 25 formed in the game board, and lighting/putting out lights of the awarded-balls lamp 51 and the sphere piece lamp 52 is outputted to the lighte of the swarded-balls lamp 51 and the sphere piece lamp 52 is outputted to the samp-control substrate 35 from the main substrate 31. Moreover, the starting storage drop 18 and the ramp-control command which usually shows the lighting storage drop 41 are also outputted to the ramp-number of the pattern starting storage drop 41 are also outputted to the ramp-

control substrate 35 from the main substrate 31. [0059] As shown in drawing 6, the ramp-control command about ramp control is outputted from the output port (output ports 0 and 3) 570,573 of the I/O Port

section 57 in the basic circuit 53. An output port (output port 3) 573 outputs 8-bit data, and an output port 570 outputs a 1-bit INT signal. In the ramp-control substrate 35, the control command from the main substrate 31 is inputted into CPU351 for ramp control through the input-buffer circuits 355A and 355B. In addition, when CPU351 for ramp control does not build in the I/O Port, an I/O Port is prepared between the input-buffer circuits 355A and 355B and CPU351 for ramp

control. [0060] In the ramp-control substrate 35, CPU351 for ramp control outputs [0060] In the ramp-control substrate 35, CPU351 for ramp control outputs lighting/putting-out-lights signal to \*\*\*\* lamp 28s, left frame lamp 28b, \*\*\*\* lamp 28s defined according to each control command, left frame lamp 28b, \*\*\*\* lamp 28c, and the ornament lamp 25. Lighting/putting-out-lights signal is \*\*\*\* lamp 28c, and the ornament lamp 25. Lighting/putting-out-lights signal is outputted to \*\*\*\* lamp 28s, left frame lamp 28b, \*\*\*\* lamp 28c, and the ornament lamp 25. In addition, lighting-putting-out-lights pattern is memorized by Built-in lamp 25. In addition, lighting-putting-out-lights pattern is memorized by Built-in

ROM or external ROM of CPU351 for ramp control. [0061] In the main substrate 31, CPU56 outputs the control command which directs lighting of the awarded-balls lamp 51, when the non-paid out number of \*\*\*\*\*\* is in the content of storage of RAM55, and if the sphere piece switch 187 (refer to drawing 3) currently installed in the upstream of the expenditure sphere path on the output the control command which directs lighting of the sphere piece lamp 52. In output the control substrate 35, each control command is inputted into CPU351 for ramp control through the input-buffer circuits 355A and 355B. CPU351 for ramp control responds to those control command, and turns on \sum switches off the awarded-balls lamp 51 and the sphere piece lamp 52. In addition, lighting\putting-swarded-balls lamp 51 and the sphere piece lamp 52. In addition, lighting\putting-out-lights pattern is memorized by Built-in ROM or external ROM of CPU351 for out-lights pattern is memorized by Built-in ROM or external ROM of CPU351 for out-lights pattern is memorized by Built-in ROM or external ROM of CPU351 for

ramp control. [0062] Furthermore, CPU351 for ramp control outputs lighting/putting-out-lights signal to the starting storage drop 18 and the common pattern starting storage drop

41 according to control command. [0063] 74HC540 and 74HC14 which are general-purpose CMOS-IC are used as input-buffer circuits 355A and 355B. The input-buffer circuits 355A and 355B can pass a signal only in the direction which goes to the ramp-control substrate 31. Therefore, there is no room to transmit a signal from the ramp-control substrate 35 side to the main substrate 31 side. Even if unjust reconstruction is added to the circuit in the ramp-control substrate 35, the signal outputted by unjust reconstruction will not get across to the main substrate 31 side. In addition, you may prepare a noise filter in the input side of the input-buffer in addition, you may prepare a noise filter in the input side of the input-buffer.

circuits 355A and 355B. [0064] Moreover, in the main substrate 31, buffer circuits 620 and 63A are formed in the outside of an output port 570,573. 74HC250 and 74HC14 which are general—purpose CMOS-IC are used as buffer circuits 620 and 63A. Since the signal inputted

into the interior of the main substrate 31 is prevented from the exterior according to such composition, the signal line by which a signal may be given to the main substrate 31 from the ramp—control substrate 70 can be lost still more certainly. In addition, you may prepare a noise filter in the output side of buffer circuits 620 and

63A. from the game control means of the main substrate 31 the updating period of the counted value of the counter for generating each random number for a judgment by game control means — synchronizing (since it performing by the game control processing performed every [ both ] 2ms) — Since the processing time of CPU351 processing performed every [ both ] 2ms) — Since the processing time of CPU351 [ Light Emitting Diode does not synchronize with the updating period of the counted value of the counter for generating each random number for a judgment.

[0066] Drawing 7 is the block diagram showing the example of composition of the signal transmitting portion of the sound control command in the main substrate 31, and the sound control board 70. With the gestalt of this operation, the sound control command for directing the sound output of the loudspeaker 27 prepared in the command for directing the sound output of the loudspeaker 27 prepared in the command for directing the sound output of the loudspeaker 27 prepared in the command for directing the sound output of the loudspeaker 27 prepared in the command output of the game advance is outputted to the sound output of the game advance is outputted to the sound output of the game advance is outputted to the sound

control board 70 from the main substrate 31. [0067] As shown in drawing 7, sound control command is outputted from the output port (output ports 0 and 4) 570,574 of the I/O Port section 57 in the basic circuit 53. From an output port (output port 4) 574, 8-bit data are outputted and a 1-bit INT signal is outputted from an output port 570. In the sound control board 70, each signal from the main substrate 31 is inputted into CPU701 for sound control through the input-buffer circuits 705A and 705B. In addition, when CPU701 for sound control does not build in the I/O Port, an I/O Port is prepared between the input-buffer circuits 705A and 705B and CPU701 for sound control.

[0068] And the speech synthesis circuit 702 by the digital signal processor generates the voice and the sound effect according to directions of CPU701 for sound control, and outputs them to the volume electronic switch 703, for example. The output level of CPU701 for sound control is made into the level according to the volume set up, and the volume electronic switch 703 outputs it to the volume amplifying circuit 704 outputs the amplified

correspondence number to a loudspeaker 27. [0069] 74HC540 and 74HC14 which are general-purpose CMOS-IC are used as input-buffer circuits 705A and 705B. The input-buffer circuits 705A and 705B can pass a signal only in the direction which goes to the sound control board 70 from the main substrate 31. Therefore, there is no room to transmit a signal from the sound control board 70 side to the main substrate 31 side. Therefore, even if unjust reconstruction is added to the circuit in the sound control board 70, the signal outputted by unjust reconstruction does not get across to the main substrate 31 side. In addition, you may prepare a noise filter in the input side of the input-buffer side. In addition, you may prepare a noise filter in the input side of the input-buffer

912 generates the direct current voltage of AC24V to +30V, and outputs it to DC-24V. AC24V voltage is outputted to a connector 915. Moreover, a rectifier circuit [0073] A transformer 911 changes the alternating voltage from AC power supply into rectifying device. VSL serves as a solenoid drive power supply. rectifier circuit 912 by carrying out the rectification pressure up of AC24V with a drives DC+5V, i.e., IC on each substrate etc. In addition, VSL is generated in a a storage maintenance means, is charged from the line of a power supply which generated. Moreover, the capacitor 916 which becomes a backup power supply, i.e., use. In this example, AC24V, VSL (DC+30V), DC+21V, DC+12V, and DC+5V are electrical-part control board and mechanism element of the game inside of a plane board of expenditure control board 37 grade, and generates the voltage which each control board 70, the ramp-control substrate 35, and the electrical-part control independently with the main substrate 31, the pattern control board 80, the sound power supply substrate 910. The power supply substrate 910 is installed [0072] Drawing 8 is the block diagram showing the example of 1 composition of the of the counter for generating each random number for a judgment. loudspeaker 27 does not synchronize with the updating period of the counted value for sound control intervenes, the timing of sound generating / sound halt from a processing performed every [ both ] 2ms) - Since the processing time of CPU701 game control means — synchronizing (since it performing by the game control counted value of the counter for generating each random number for a judgment by from the game control means of the main substrate 31 the updating period of the [0071] In addition, the sending-out timing of the sound control command transmitted addition, you may prepare a noise filter in the output side of buffer circuits 620 and substrate 31 from the sound control board 70 can be lost still more certainly. In such composition, the signal line by which a signal may be given to the main into the interior of the main substrate 31 is prevented from the exterior according to purpose CMOS-IC are used as buffer circuits 620 and 67A. Since the signal inputted the outside of an output port 570,574. 74HC250 and 74HC14 which are general-[0070] Moreover, in the main substrate 31, buffer circuits 620 and 67A are formed in circuits 705A and 705B.

rectifying device. VSL serves as a solenoid drive power supply. [0073] A transformer 911 changes the alternating voltage from AC power supply into 24V. AC24V voltage is outputted to a connector 915. Moreover, a rectifier circuit 912 generates the direct current voltage of AC24V to +30V, and outputs it to DC-DC converter 913 has one or more converters IC 922 ( drawing 8 shows only one.), generates +21V, +12V, and +5V based on VSL, and outputs them to a connector 915. The comparatively mass capacitor 923 is connected to the input side of a converter IC 922. Therefore, when the electric power supply to the game machine from the outside stops, the direct current voltage of +30V, +12V, and +5V grade falls comparatively gently. A connector 915 is connected for example, to a relay substrate, and the power of voltage required for each electrical-part control board and a mechanism element is voltage required for each electrical-part control board and a mechanism element is subplied from a relay substrate.

supplied from a relay substrate. [0074] However, each connector which results in each electrical-part control board

is prepared in the power supply substrate 910, and you may make it supply each voltage which results in each substrate, without minding a relay substrate from the power supply substrate 910. Moreover, although one connector 915 is represented and shown in drawing 8, the connector is prepared in each electrical-part control

board correspondence. [0075] The +5V line from DC-DC converter 913, it branches and backup +5V line is formed. The mass capacitor 916 is connected between backup +5V line and ground level. A capacitor 916 serves as a backup power supply which supplies power so that a storage state can be held to the backup RAM of an electrical-part control board when the electric power supply to a game machine stops (backup storage means which may be in the content maintenance state of storage also at the time of RAM, i.e., an electric power supply halt, by which power supply backup is carried out). Moreover, the diode 917 for antisuckbacks is inserted between +5V line and backup +5V line. In addition, with the gestalt of this operation, +5V for backup are supplied to the main substrate 31 and the expenditure control board 37.

to the main substrate 31 and the expenditure control board 37. [0076] Moreover, IC902 for power supply surveillance as a power supply supervisory circuit is carried in the power supply substrate 910. IC902 for power supply surveillance introduces VSL voltage, and detects generating of an electric power supply halt to a game machine by supervising VSL voltage. A power off signal is outputted noting that a halt of an electric power supply will specifically arise, if VSL voltage becomes below a predetermined value (this example +22 V). In addition, as for the supply voltage for surveillance, it is desirable that it is voltage higher than the supply voltage (this example +5 V) of the circuit element carried in each electrical part control board. In this example, VSL which is the voltage immediately after changing into a direct current from an alternating current is used. The power off signal from IC902 for power supply surveillance is supplied to the main substrate off signal from IC902 for power supply surveillance is supplied to the main substrate

31 or expenditure control board 37 grade. [0077] Although the predetermined value for IC902 for power supply surveillance detecting a halt of an electric power supply is usually lower than the voltage at the time, it is voltage which is the grade while. Moreover, IC902 for power supply electrical—part control board is for a while. Moreover, IC902 for power supply electrical—part control board is for a while. Moreover, IC902 for power supply surveillance is higher than the voltage (this example +5 V) for driving circuit after changing into a direct current from an alternating current may be supervised, the surveillance range can be extended to the voltage which CPU needs. Therefore, more precise surveillance can be extended to the voltage which CPU needs. Therefore, to the various switches of a game machine is +12V when using VSL (+30V) as surveillance voltage, prevention of the switch—on incorrect detection at the time of power supply hits is also expectable. Namely, if the voltage of +30V power supply is supervised, a fall of that is detectable in the stage before +12V made after +30V supervised, a fall of that is detectable in the stage before at the VIXV made after +30V

creation begin to fall. [0078] + Although a switch output will come to present an ON state if the voltage of

12V power supply falls, if +30V supply voltage which falls earlier than +12V is supervised and a halt of an electric power supply is recognized, before a switch output presents an ON state, the state where go into the state of the waiting for electric power supply recovery, and a switch output is not detected, and a bird

clapper will be made. [0079] Moreover, since IC902 for power supply surveillance is carried in the power supply substrate 910 separate from an electrical-part control board, it can supply substrate off signal to two or more electrical-part control boards from a power supply surveillance means should just be needs a power off signal, since one power supply surveillance means should just be established, even if it performs the security control which each electrical-part control means in each electrical-part control board mention later, the cost of a

game machine does not go up so much. [0080] In addition, with the composition shown in drawing 8, although the detecting signal (power off signal) of IC902 for power supply surveillance is transmitted to each electrical—part control board (for example, the main substrate 31 and the expenditure control board 37) through a buffer circuit 918,919, the composition which transmits one detecting signal to a relay substrate, and distributes the same signal as each electrical—part control board from a relay substrate, for example is sufficient as it. Moreover, you may prepare the buffer circuit according to the number of substrates which needs a power off signal. Furthermore, you may change the surveillance voltage of the power supply supervisory circuit which will output a power off signal about the power off signal outputted to the main substrate 31 and power off signal about the power off signal outputted to the main substrate 31 and

the expenditure control board 37. [0081] The power off signal from the power supply supervisory circuit (power supply surveillance means) of the power supply substrate 910 is connected to the mask impossible interruption terminal (XIMI terminal) of CPU56 in the main substrate 31. Therefore, CPU56 can check generating of a halt of the electric power supply to a game machine by mask impossible interruption (IMI) processing. [0082] The content is saved, even if a part of RAM [ at least ] is backed up by the

[0082] The content is saved, even if a part of RAM [ at least ] is backed up by the backup power supply supplied from a power supply substrate and the electric power supply to a game machine stops, while power is not supplied from +5V power supply of CPU56 grade. And if +5V power supply is restored, which is a drive power supply of CPU56 grade. And if +5V power supply is restored, so reset signal will be emitted from the system—reset circuit 65, and CPU56 will return to a normal operating state. Since required data are then saved at Backup RAM, the game state at the time of generating of a power failure etc. can be restored at the time of the restoration from a power failure etc.

[0083] Next, operation of a game machine is explained. Drawing 9 is a flow chart which shows the main processing which the game control means (circumference which shows the main processing which the game control means (circumference

Testored at the time of the restoration from a power landre etc. [0083] Mext, operation of a game machine is explained. Drawing 9 is a flow chart which shows the main processing which the game control means (circumference circuits, such as CPU56, and ROM, RAM) in the main substrate 31 perform. If a power supply is switched on to a game machine and the input level of a reset terminal becomes high-level, CPU56 will start the main processing after Step S1. In

(95 (built-in circumference circuit) (Step S5), RAM is set as an accessible state (Step counter/timer) and PIO (parallel input/output port) which are a built-in device device register is initialized (step S4). Moreover, after initializing CTC (the pointer specification address is set as a stack pointer (Step S3). And a built-in S1). Next, interrupt mode is set as interrupt mode 2 (Step S2), and the stack-[084] In initial-setting processing, CPU56 is first set as interrupt inhibition (Step main processing, CPU56 performs required initial setting first.

interruption in which a mask is possible occurs, CPU56 saves the content of a operation as the mode of interruption in which a mask is possible. In addition, if [0086] Three kinds of modes are prepared for CPU56 used with the gestalt of this (PIO), and the timer/counter circuit (CTC). [0805] CPU56 used with the gestalt of this operation also builds in the I/O Port

program counter to a stack while setting it as an interrupt inhibition state

interruption vector, when performing an interruption request. In Step S2 of initialdiscontinuous) street. Each built-in device has the function which sends out an Therefore, interrupt processing can be installed in the eventh arbitrary (it is specific register, and the low rank address was made the interruption vector. address shown by 2 bytes by which the high order address was made the value of a CPU56 output shows an interruption address. That is, an interruption address is the which the value (1 byte) and built-in device of a specific register (I register) of address compounded from the interruption vector (1-byte L: 1 least significant bit 0) [087] The interrupt mode 2 of three kinds of inside is the mode in which the automatically.

When the clear switch 921 is ON, the clear switch signal of a low level is outputted the check, CPU56 performs the usual initialization processing (Step S11 - Step S15). clear switch 921 inputted through input port 1 (Step S7). When ON is detected in [0088] Subsequently, CPU56 checks only once the state of the output signal of the setting processing, CPU56 is set as interrupt mode 2.

is set as the backup flag field, those with backup (ON state) are meant, for example, supply halt whether backup data are in a backup RAM field. In this example, if "55H" backup flag set as a backup RAM field in processing at the time of an electric power [0090] With the gestalt of this operation, it is checked according to the state of the protection processing is not performed, CPU56 will perform initialization processing. protection processing is performed be those with backup. If it checks that such for protecting the data of a backup RAM field is performed. Let the case where such gestalt of this operation, when a halt of an electric power supply arises, processing parity data etc.) of a backup RAM field has been performed (Step S8). With the (it processes at the time of an electric power supply halt of addition of for example, supply to a game machine stops, it is checked whether data protection processing [0089] When the clear switch 921 is not in the state of ON, and the electric power (mayen bright):

[0091] If those with backup are checked, CPU56 will perform data check (this meant in it. and if values other than "55H" are set up, those without backup (OFF state) are

time from a halt of an electric power supply is performed. initialization processing performed by the power up which it is not at the restoration cannot be returned to the state at the time of an electric power supply halt, that the data of a backup RAM field differ. In such a case, since an internal state result not being normal, the data at the time of an electric power supply halt mean result (comparison result) -- being normal (coincidence) -- it becomes In a check an electric power supply halt of an unexpected power failure etc. arose -- a check saved, since the data of a backup RAM field should be saved when it restores after backup RAM field. Step S9 compares the computed checksum and the checksum stops, in processing, a checksum is computed and the checksum is saved to the power supply halt performed in case the electric power supply to a game machine example parity check) of a backup RAM field (step S9). At the time of an electric

which are mentioned later will be continued from a front state at the time of an judgment, the random number for a display, and the random number for initial value example, the counted value of the counter for generating the random number for a of Backup RAM) after the electric power supply to a game machine stops For electric power supply is restored in a predetermined time (data-hold possible period counter for generating each random number) being saved at Backup RAM If an the time of an electric power supply halt, and from various data (for example, the address. In game state restoration processing, PC is restored to a front state at PC (program counter) saved to the backup RAM field is set as PC, and returns to at the time of an electric power supply halt (Step S10). And the evacuation value of state of electrical-part control means, such as a display-control means, to the state processing for returning the internal state of game control means, and the control [0092] If the check result is normal, CPU56 will perform game state restoration

sound control board 70, pattern control board 80) to each sub substrate is command for initializing other sub substrates (the ramp-control substrate 35, the performed (Step S13). Moreover, processing which transmits the initialization out of sphere expenditure equipment 97 to the expenditure control board 37 is expenditure authorized-state specification command which directs that it can pay specially) is performed (Step S12). Furthermore, processing which transmits the pointer, a flag in awarded balls, a sphere piece flag, and an expenditure halt flag, control states, such as a pattern process flag, an expenditure command storing handle buffer in the pattern left, the flag for processing alternatively according to pattern judging, usually the buffer for a pattern judging, specially the right figure predetermined working area (for example, usually the random number counter for a S11). Moreover, working-area setting processing in which initial value is set as a [0093] In initialization processing, CPU56 performs RAM clear processing first (Step electric power supply halt.

performed (Step 514). There are a command (as opposed to the pattern control board 80) which shows the initial pattern displayed on the adjustable display 9 as an initialization command, a command (as opposed to the ramp-control substrate 35) which directs putting out lights of the awarded-balls lamp 51 and the sphere piece

lamp 52. [0094] And a setup of the register of CTC prepared in CPU56 so that a timer interruption may start periodically every 2ms is performed (Step S15). That is, the value which is equivalent to 2ms as initial value is set as a predetermined register

equipped, and according to the result, if required, an alarm will be emitted (error self-checking function with which the interior of the pachinko game machine I is [0098] Subsequently, various unusual diagnostic processes are performed by the 30a, 33a, and 39a, and performs those state judgings (switch processing : step S21). mouth switch 14a, the count switch 23, and the winning-a-prize mouth switches 29a, CPU56 inputs the detecting signal of switches, such as gate switch 32a, starting \$20) of a register. In game control processing, first, through a switching circuit 58, Steps S21-S32 shown in drawing 10, after performing evacuation processing (Step [0097] If a timer interruption occurs, CPU56 will perform game control processing of random number for determining whether consider as great success. (random-number-generation counter for a great success judging) for generating the value was returned exceeding maximum) of counted value, such as a counter initial value is a random number for determining the initial value (value after the counter for generating the random number for initial value. The random number for update process for initial value is processing which updates the counted value of the for generating the random number for a display. Moreover, the random number process for a display is processing which updates the counted value of the counter pattern displayed on the adjustable display 9, and the random number update [0006] The random number for a display is a random number for determining the performed by interrupt processing, and conflict arises in counted value. inumber update processes are performed arises, a random number update process is that 2ms timer interruption later mentioned to the midst by which those random the random number update process for initial value are performed, it is prevented interrupt inhibition state when the random number update process for a display and it considers as an interruption authorized state (Step S19). Since it is in the update process for a display, and the random number update process for initial value, interrupt inhibition state (Step S16) and completing execution of the random number number update process for initial value are performed, after considering as an repeatedly. When the random number update process for a display and the random random number update process for initial value (Step S18) by main processing performs the random number update process for a display (Step S17), and the [0095] Completion of execution (Steps 511-515) of initialization processing

brocessing : step S22).

(time constant register).

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a-prize mouth, the solenoid circuit 59 drives Solenoids 16, 21, and 21A according to open state or a closed state or to change the game sphere path in a large winningwinning-a-prize sphere equipment 15 or the opening-and-closing board 20 into an predetermined conditions are satisfied (Step S31). In order to make adjustable [0103] Moreover, CPU56 performs drive instructions in the solenoid circuit 59, when starting information, and probability change information, (Step S30). data, such as great success information supplied to for example, a hole computer, [0102] Furthermore, CPU56 performs information output processing which outputs processing: step 529). display-control command is performed (usually pattern command control command about a pattern as the predetermined field of RAM55, and transmits a processing: step S28). Moreover, processing which usually sets the display-control transmits a display-control command (specially pattern command control command about a pattern as the predetermined field of RAM55 specially, and [0101] Subsequently, CPU56 performs processing which sets the display-control during each processing according to a game state. selected and performed. And the value of a pattern process flag is usually updated the display state of the pattern drop 10 in predetermined sequence is usually usually corresponds according to a pattern process flag in order to usually control usually performed (Step S27). By pattern process processing, processing to which it processing according to a game state. Moreover, pattern process processing is specially. And the value of a pattern process flag is specially updated during each predetermined sequence according to a game state is selected and performed pattern process flag specially in order to control the pachinko game machine I in S26). By pattern process control, processing to which it corresponds according to a [0100] Furthermore, CPU56 performs pattern process processing specially (Step (Steps 524 and 525). the random number for a display, and the random number for initial value further performs processing which updates the counted value of the counter for generating great success judging used for game control, is performed (Step S23). CPU56 generating each random number for a judgment, such as a random number for a [0099] Next, processing which updates the counted value of each counter for

drive instructions.

[0104] And CPU56 performs awarded-balls processing which performs a setup of the awarded-balls number based on the detecting signal of the winning-a-prize mouth switches 29a, 30a, 33a, and 39a etc. (Step S32). Specifically according to the winning-a-prize detection based on what the winning-a-prize mouth switches 29a, 30a, 33a, and 39a turned on, the expenditure control command which shows the awarded-balls number to the expenditure control board 37 is outputted. CPU371 for expenditure control carried in the expenditure control board 37 drives sphere expenditure control carried in the expenditure control board 37 drives sphere expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which

made to perform in timer-interruption processing with the gestalt of this operation in shown that interruption occurred is made, and game control processing may be performed by timer—interruption processing, only the set of a flag in which it is the gestalt of this operation. In addition, although game control processing is [0105] By the above control, game control processing will be started every 2ms with 533) and it is set as an interruption authorized state (Step 534).

process processing shown in drawing 11 is concrete processing of Step S26 in the main processing.

processes either of Steps 5300-5309 according to an internal state (this example S310) and starting mouth switch passage check processing (Step S311), it specially, after it performs change shortening timer subtraction processing (Step flow chart of drawing 10. In case CPU56 performs pattern processing special pattern process processing which CPU56 performs. The special pattern [0106] Drawing 11 is a flow chart which shows an example of the program of the

starting mouth switch passage check processing is processing which acquires and shortened as a change pattern of a pattern is determined. [ more than ] Moreover, low probability state (normal state), using the pattern by which change time was starting storage of the number of starting storage, and probability changing, in the and with [ the number of starting storage ] "2" in the state of the maximum of processing (Step S301) mentioned later, the value of a change shortening timer is 0, switch 14a having turned on). And in the special pattern great success judging to the memorizable maximum number of starting storage (storage of starting mouth subtracts the change shortening timer formed the number of pieces corresponding [0107] Change shortening timer subtraction processing is processing which specially pattern process flag).

Moreover, the content of the buffer extruded by the shift is a content according to buffer, only the memorizable maximum number of starting winning a prize is prepared. decision value), it determines to consider as great success. In addition, as for the buffer is specifically in agreement with a predetermined value (great success the random number for a great success judging which is one of the contents of a based on the content of the extruded buffer as a result of a shift. When the value of there was starting winning a prize. It determines whether consider as great success content of the buffer which stores the various random numbers memorized when [0110] Special pattern great-success judging processing (Step 5301): Shift the process flag will be specially changed so that it may shift to Step S301. is checked, and if the number of starting storage is not 0, the value of a pattern [0109] Special pattern usual processing (Step S300): The number of starting storage [0108] The following processings are performed in Steps 5300-5309. 14a turns on. memorizes each predetermined random number value, when starting mouth switch

success is determined, a great success flag is set. Furthermore, based on the value starting winning a prize produced at the foremost. And when considering as great

9 ] a display. And the value of a pattern process flag is specially changed so that it pattern during the right and left which it is as a result of [ in the adjustable display [0111] Halt pattern setting processing (Step S302): Determine the halt pattern of a of a pattern process flag is specially changed so that it may shift to Step S302. buffer, the number of rounds in a great success game is determined. Then, the value of the random number for the numbers of rounds which is one of the contents of a

grade. Then, the value of a pattern process flag is specially changed so that it may a halt pattern, etc. which were determined is outputted to pattern control board 80 in the adjustable display 9. And the control command for notifying a change pattern, (adjustable display pattern), i.e., the change pattern, of a change display of a pattern [0112] Change pattern setting processing (Step S303): Determine, the pattern may shift to Step 5303.

passed, the value of a pattern process flag will be specially changed so that it may time on which it decides according to the change pattern has passed. If it has [0113] Special pattern change processing (Step S304): Check whether the change shift to Step 5304.

counter and a flag, a solenoid 54 is driven and a large winning-a-prize mouth is control which opens a large winning-a-prize mouth. Specifically, while initializing a [0115] Large winning-a-prize mouth opening pretreatment (Step 5306): Start the value of a pattern process flag is specially changed so that it may shift to Step \$300. process flag is specially changed so that it may shift to Step S306. Otherwise, the Then, when considering as great success is determined, the value of a pattern performed to the display-control means carried in the pattern control board 80. command for making the number of rounds report using the adjustable display 9 is the pattern control board 80. Moreover, control which sends out the display-control sends out the display-control command which directs a halt of a pattern specially to [0114] Special pattern pattern halt processing (Step S305): Perform control which shift to Step S305.

are satisfied, the value of a pattern process flag will be specially changed so that it prize mouth is performed If the closing conditions of a large winning-a-prize mouth processing which checks formation of the closing conditions of a large winning-a-[0116] under large winning-a-prize mouth opening -- processing (Step S307): -shift to Step 5307. obened. And the value of a pattern process flag is specially changed so that it may

remaining round, the value of a pattern process flag is specially changed so that it of great success game state continuation are satisfied and there is still the formation of great success game state continuation conditions. When the conditions of passage of V winning-a-prize switch 22, and perform processing which checks [0117] Specific field effective—time processing (Step S308): Supervise the existence may shift to Step 5308.

conditions are not satisfied in a predetermined effective time, or when all rounds are may shift to Step S307. Moreover, when great success game state continuation

reached the upper limit, processing which increases the number of starting storage number of starting storage (Step S44). When the number of starting storage has stored in the random number value storage area corresponding to the value of the random number for the number determination of rounds is extracted. And they are pattern determination, the random number for change pattern determination, and the number for blank pattern determination, the random number for great success S43), and the value of the random number for a great success judging, the random has not reached a upper limit, the number of starting storage is increased one (Step upper limit (this example 4) (Step S42). (Step S41) If the number of starting storage switching circuit 38 checks whether the number of starting storage has reached the judgment of what starting mouth switch 14a turned on CPU56 for through the mouth 14 prepared in the game board, starting mouth switch 14a turns on. A processing (Step S311). If a hit ball wins a prize of the starting winning-a-prize [0119] Drawing 12 is a flow chart which shows starting mouth switch passage check pattern process flag is specially changed so that it may shift to Step 5300. completed is made to carry out to a ramp-control means etc. And the value of a display for reporting to a game person that the great success game state was [0118] Great-success end processing (Step S309): Perform control to which the to Step 5309. finished, the value of a pattern process flag is specially changed so that it may shift

is not performed.

[0120] In addition, when the number of starting storage is increased one, the ramp-control command for increasing the number of displays of the starting storage drop 18 (the turned-on number of Light Emitting Diodes) one is transmitted to the ramp-

control substrate 35.

[0121] In special pattern process processing of Step S25, CPU56 checks the value of the number of starting storage, as shown in drawing 13 (Step S51). If the number of starting storage is not 0, while reading the value stored in the random number value storage area corresponding to starting storage;1 (1st starting storage) (Step S52), the value of the number of starting storage is reduced by one, and the value of each random number value storage area corresponding storage; each value stored in the random number value storage area corresponding to no (n= 2, ..., 4) is stored in the random number value storage area corresponding to starting storage; each value stored in the random number value storage area corresponding to starting storage; or 1. In addition, the contents of the random number value storage area corresponding to starting storage. For example, when the number of starting storage is 4, the contents of the special pattern random number value storage area corresponding to starting storage;4 are corresponding to starting storage;4 are

cleared. [0122] In addition, when the number of starting storage is reduced by one, the ramp-control command for reducing the number of displays of the starting storage drop 18 by one is transmitted to the ramp-control substrate 35.

. 5123] And based on the value which read CPU56 at Step S52, i.e., the value of the

changing state), when the value is "3", "7", "7", "103" or, and "101", for example, and it is the other value." Moreover, in the state of high probability (probabilityexample, it determines "" is a gap, when it is decided that it will be great success" And by the normal state, as shown in drawing 14, when the value is "3", for number for a great success judging is made to take the value of the range of 0-316. judging) currently extracted, hit/determines a gap (Step S54). Here, the random random number for a great success judging (specially random number for a pattern

it determines "" is a gap, when it is decided that it will be great success" and it is

[0124] Drawing 15 is explanatory drawing showing each random number. Each the other value."

(1) Random 1 : determine whether generate great success (for a great success random number is used as follows.

(2) For the blank pattern determination under random 2-1-2-3:right and left .(gnigbul

(3) Random 3: determine the combination of the special pattern which generates (specially under pattern right and left)

(4) Determine the change pattern of the special pattern in the random 4:adjustable great success (for great success pattern determination).

(5) Determine whether usually generate the hit based on a pattern in the random display 9 (for change pattern determination).

(6) Determine the number of rounds in a random 6:great success game (for the 5:common pattern drop 10 (usually per pattern for a judgment).

number determination of rounds).

(7) Random 7 : determine the initial value of random 1 (for random 1 initial-value

(8) Random 5 : determine the initial value of random 5 (for random 5 initial-value determination).

determination).

determination). (9) Random 9: determine the initial value of random 6 (for random 6 initial-value

game effect is heightened — random numbers about a pattern other than the random number for a display, or a random number for initial value. in addition, the are the random numbers for a judgment and random numbers other than these are a for the number determination of rounds of (6) per pattern (1 addition). That is, they (5) I usually generating the random number for a judgment, and the random number judging of (1), the random number for great success pattern determination of (3), and CPU56 counts up the counter for L of the random number for a great success [0125] In addition, at Step S23 in the game control processing shown in drawing 10 ,

Moreover, the range which each random number value shown in drawing 15 can take random number of above-mentioned (1) - (9) etc. are usually used for accumulating

success pattern is determined according to the value of the random number for [0126] In Step S54 shown in drawing 13, when judged with great success, a great is also an example, and other ranges can also be used.

is extracted, and the number of rounds is determined based on the value of random Furthermore, the random number for the number determination of rounds (random 6) pattern of a pattern is determined based on the value of random 4 (Step S56). number for change pattern determination (random 4) is extracted, and the change success patterns is set to the great success pattern table. Moreover, the random and left corresponding to each of the combination of two or more kinds of great random 3 is determined as a great success pattern. The pattern number under right pattern number set as the great success pattern table according to the value of great success patterns (random 3) (Step S55). For example, each pattern of the

pattern one time is made not in agreement with a great success pattern here as a the value added to the value of the random number corresponding to the inside with a right-and-left pattern while being determined, the pattern corresponding to according to the value of random 2-3 (Step S59). When a pattern is in agreement to the value of random 2-2 (Step S58). And a right figure handle is determined currently extracted, (Step S57). Moreover, an inside pattern is determined according is determined according to the value read at Step S52, i.e., the value of random 2-1 considering as great success. With the gestalt of this operation, a left figure handle [0127] When judged with a blank, CPU56 determines the halt pattern when not 6 (Step S65).

not?) is determined, CPU56 extracts the value of the random number for change carrying out reach was determined (has the halt pattern on either side gathered or [0128] furthermore, when checking and (Step 560) carrying out reach of whether halt pattern of an inside pattern.

probability-changing state (Step S62). If it is in a probability-changing state, it will be [0129] When carrying out reach is not determined, it checks whether it is a is determined based on 4 (Step S61) pattern determination (random 4), and is random — the change pattern of a pattern

when considering as great success is determined, the number of rounds in a great change mode of a pattern, the combination of a halt pattern is determined. Moreover, is determined whether to perform whether reach production is performed as a blank mode, and the combination of each halt pattern is determined. That is, while it starting winning a prize as mentioned above into a reach mode or make it into a [0130] It is determined whether to make the change mode of the pattern based on the change time of the pattern under right and left at the time of a blank. pattern with a change period usually shorter than a change pattern of 4.0 seconds in pattern at the time (Step 564). In addition, a shortening change pattern is a change determine to separate from a change pattern and to consider as the usual change time of a blank (Step S63). If it is not in a probability-changing state, it will determined that a change pattern will consider as a shortening change pattern at the

when processing of Steps 5301-5303 in the special pattern process processing [0131] In addition, the processing shown in drawing 13 is equivalent to processing success game is also determined.

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gestalt of this operation, (maximum +1) is 14. (Step S122) and counted value are returned to 3 (Step S123). In addition, with the value of the counter for generating random 5 has become above (maximum +1), pattern random number for a judgment) is carried out +one (Step S121). When the [0135] Moreover, the value of the counter for generating random 5 (usually per gestalt of this operation, (maximum +1) is 12. (Step S109) and counted value are returned to 0 (Step S110). In addition, with the value of the counter for generating random 3 has become above (maximum +1), great success pattern determination) is carried out +one (Step S108). When the [0134] Next, the value of the counter for generating random 3 (random number for change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 1 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the supply is supplied to a game machine, when the value of random 1 is saved at random I as initial value, and the initial value buffer for random I when a power time. In addition, although it is saved at the counter for generally "O" generating Therefore, the initial value of the counter for generating random 1 is changed at this the extracted value is set as the counter for generating random 1 (Step S10/). extracted value as initial value at the initial value buffer for random 1 (Step S106), value of the counter for generating random / is inputted. And while saving the random 1 initial-value determination) is extracted (Step S105). That is, the counted counted value remains as it is. When in agreement, random 7 (random number for value at the initial value buffer for random 1 (Step 5104). If not in agreement, value with which the value of the counter for generating random I is saved as initial [0133] Subsequently, it checks whether CPU56 has been in agreement with the random n (n: 1, 2, ...) may be called counter for random n. grades is the extracted random 2 grade. Hereafter, the counter for generating value which similarly was read from the counter for generating other random 2 extracted -- random -- it is 1 (random number for a great success judging) The the value read from the counter (counter for random 1) for generating I was of this operation, (maximum +1) is 317, moreover, random to predetermined timing --\$102) and counted value are returned to 0 (Step \$103). In addition, with the gestalt of the counter for generating random I has become above (maximum +1), (Step (random number for a great success judging) +one (Step S101). And when the value Judgment, CPU56 carries out the value of the counter for generating random 1 control processing shown in drawing 10. In the random number update process for a random number update process for a judgment (Step S23) performed by the game [0132] Drawing 16 and drawing 17 are flow charts which show an example of the success occurs. It becomes reach when only a right-and-left pattern gathers. operation, when the halt pattern of a pattern gathers during right and left, great shown in drawing I I is shown collectively. Moreover, with the gestalt of this

value of the counter for generating random 7 (random number for random 1 initial-[0140] In the random number update process for initial value, CPU56 carries out the the game control processing shown in drawing 10 (Step S2b). in the main processing shown in drawing 9 (Step S18) while being performed once in (time until next 2ms timer interruption occurs after a game control processing end) update process for initial value repeatedly performed in interruption remainder time [0139] Drawing 18 is a flow chart which shows an example of the random number change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 6 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 6 is saved at although it is set as the counter for "O" generating random 6 as initial value when a value of the counter for generating random 6 is changed at this time. In addition, is set as the counter for generating random 6 (Step S117). Therefore, the initial initial value at the initial value buffer for random 6 (Step S116), the extracted value counter for generating random 9 is inputted. And while saving the extracted value as value determination) is extracted (Step S115). That is, the counted value of the remains as it is. When in agreement, random 9 (random number for random 6 initialthe initial value buffer for random 6 (Step S114). If not in agreement, counted value which the value of the counter for generating random 6 is saved as initial value at [0138] And it checks whether CPU56 has been in agreement with the value with gestalt of this operation, (maximum +1) is 19. (Step S112) and counted value are returned to 0 (Step S113). In addition, with the value of the counter for generating random 6 has become above (maximum +1), for the number determination of rounds) is carried out +one (Step S111). When the [0137] Moreover, the value of the counter for generating random 6 (random number change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 5 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 5 is saved at although it is set as the counter for "3" generating random 5 as initial value when a value of the counter for generating random 5 is changed at this time. In addition, is set as the counter for generating random 5 (Step S127). Therefore, the initial initial value at the initial value buffer for random 5 (Step S126), the extracted value counter for generating random 8 is inputted. And while saving the extracted value as value determination) is extracted (Step S125). That is, the counted value of the remains as it is. When in agreement, random 8 (random number for random 5 initialthe initial value buffer for random 5 (Step S124). If not in agreement, counted value which the value of the counter for generating random 5 is saved as initial value at [0136] And it checks whether CPU56 has been in agreement with the value with

returned to 0 (Step S133). In addition, (maximum +1) is 317 like the case of random random 7 has become above (maximum +1), (Step S132) and counted value are value determination) +one (Step S131). When the value of the counter for generating

(Step S135) and counted value are returned to 3 (Step S136). In addition, (maximum value of the counter for generating random 8 has become above (maximum +1), for random 5 initial-value determination) is carried out +one (Step S134). When the [0141] Moreover, the value of the counter for generating random 8 (random number

+1), (Step S138) and counted value are returned to 0 (Step S139). In addition, When the value of the counter for generating random 9 has become above (maximum number for random 6 initial-value determination) is carried out +one (Step S137). [0142] Furthermore, the value of the counter for generating random 9 (random +1) is 14 like the case of random 5.

the main processing shown in drawing 9 (Step S17) while being performed once in update process for a display repeatedly performed in interruption remainder time in [0143] Drawing 19 is a flow chart which shows an example of the random number (maximum +1) is 19 like the case of random 6.

determination) +three (Step S151). When the value of the counter for generating value of the counter for generating random 4 (random number for change pattern [0144] In the random number update process for a display, CPU56 carries out the the game control processing shown in drawing 10 (Step S24).

(Step S152) and random 4 is reduced by 251 (Step S153). random 4 has become 251 or more, the counted value of the counter for generating

the initial value (value after the value was returned exceeding maximum) of the value after being set to 248. Then, the value will be set to 0 if it reduces by 251. That is, set to 2 if it reduces by 251. Moreover, when a value begins from 2, it is set to 251 a value begins from 1, it is set to 253 after being set to 250. Then, the value will be being set to 249 Then, the value will be set to 1 if it reduces by 251. Moreover, when generating 4 increases every [3], when a value begins from 0, it is set to 252 after maximum of 4 is 250, it is random -- since the counted value of the counter for [0145] in addition, random with the gestalt of this operation -- although the

(Step S155) and counted value are returned to 0 (Step S156). In addition, with the value of the counter for generating random 2-1 has become above (maximum +1), number for blank pattern determination) is carried out +one (Step S154). When the [0146] Mext, the value of the counter for generating random 2-1 (left random of random 4 is also to some extent random.

generating random 2-2 has become above (maximum +1), (Step S158) and counted determination) is carried out +one (Step S157). When the value of the counter for counter for generating random 2-2 (inner random number for blank pattern (maximum +1) and a value is returned to 0 (i.e., when carry arises), the value of the [0147] When the value of the counter for generating random 2-1 becomes above gestalt of this operation, (maximum +1) is 12.

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value are returned to 0 (Step S159). In addition, with the gestalt of this operation,

(maximum +1) is 12. [0148] When the value of the counter for generating random 2-3 becomes above (maximum +1) and a value is returned to 0 (i.e., when carry arises), the value of the counter for generating random 2-3 (right random number for blank pattern determination) is carried out +one (Step S160). When the value of the counter for generating random 2-3 has become above (maximum +1), (Step S161) and counted yalue are returned to 0 (Step S162). In addition, with the gestalt of this operation, value are returned to 0 (Step S162). In addition, with the gestalt of this operation,

(maximum +1) is 12. (p149] Drawing 20 is explanatory drawing showing an example of the value of the value of the counter for generating the random 1 (random number for a great success judging) which changes with the random number update processes for a judgment shown in drawing 16 and drawing 17. In this example, the value of the beginning of random 1 is 0. Moreover, since "0" is saved as initial value at first, if counted value progresses to "316", is carried out +one there and a value returns to 0 (Steps 5101, 5102, and 5103), it will be detected that counted value was in agreement with initial value by processing of Step 5104. Then, random 7 (random number for random 1 initial-value determination) is extracted by processing of Step 5105. In addition, in drawing 20, it

is shown at this time by A. [0150] Here, suppose that the counted value of the counter for generating the random 7 at the time was "19." then, random — random, while "19" is extracted as 7 and the value is saved (Step S106) — the value is set as the counter for generating 1 Therefore, stepping of the counter for generating random 1 from this generating 1 set as the counter for generating random 1 from this generating 1 set as the counter for generating random 1 from this generating 1 set as the counter for generating random 1 from this generating 1 set as the counter for generating 1 from this generating 1 from this set as the counter for generating 1 from this generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the counter for generating 1 from this set as the set as

time will be carried out from initial value "19." [0151] If the value of the counter for generating random 1 carries out stepping and is set to "19", it will be detected that counted value was in agreement with initial value by processing of Step S104. Then, random 7 is extracted by processing of Step S105. In addition, in drawing 20, it is shown at this time by B. Suppose that the counted value of the counter for generating the random 7 at the time was "195." then, random — random, while "195" is extracted as 7 and the value is saved (Step S106) — the value is set as the counter for generating 1 Therefore, stepping of the counter for generating 1 sect as the counter for generating 1 when initial value counter for generating random 1 from this time is carried out from initial value.

"195." And if the value of the counter for generating random 1 carries out stepping and is set to "195", it will be detected that counted value was in agreement with initial value by processing of Step S104. Then, random 7 is extracted by processing of Step S105. In addition, in drawing 20, it is shown at this time by C. Suppose that the counted value of the counter for generating the random 7 at the time was "n." then, random — random, while "n" is extracted as 7 and the value is saved (Step S106) —— the value is set as the counter for generating 1 Therefore, stepping of the counter for generating random 1 from this time is carried out from initial value "n." In addition, in drawing 20, the asterisk (\*) shows the position where counted value In addition, in drawing 20, the asterisk (\*) shows the position where counted value

becomes "3 (great success decision value at the time of low probability)." [0153] As mentioned above, whenever the value of the counter for generating random 1 takes 1 round (317 counts), initial value new as counted value is set up, and stepping of the counter is henceforth carried out from the value. random — game control processing in which CPU56 performs the counter (random counter for generating 7) for determining the initial value of the counter (counter for a great success judging) for generating 1 — it is counting up not much by time (time after success judging) for generating 1 — it is counting up not much by time (time after success judging) for generating a completed until a timer interruption next occurs for 2ms) And since the remainder time differs according to the advance situation of a game, it is random periods. Consequently, since the value of the random 7 generated also turns into a random value, the initial value of the counter for a great success judging turns into a random value, the initial value of the counter for a great success judging

drawing 21, it is shown at this time by A. initial-value determination) is extracted by processing of Step S115. In addition, in value by processing of Step S114. Then, random 9 (random number for random 6 \$112, and \$113), it will be detected that counted value was in agreement with initial progresses to "18", is carried out +one there and a value returns to 0 (Steps STII, random  $\theta$  is 0. Moreover, since "0" is saved as initial value at first, if counted value shown in drawing 15 and drawing 17. In this example, the value of the beginning of rounds) which changes with the random number update processes for a judgment for generating the random 6 (random number tor the number determination of Drawing 21 is explanatory drawing showing an example of the value of the counter of the random number for the number determination of rounds also becomes random. [0155] Further, it is controlled by the form of this operation so that the initial value great success decision value and is random, as shown to drawing 20 by the asterisk. to the timing from which the counted value for a great success judging turns into a main substrate 31. It is because according to the form of this operation it is irregular the main substrate 31, and to send an unjust starting winning-a-prize signal into the success judging of counted value is recognized based on the signal outputted from turns into a great success decision value though the renewal timing for a great 31, to aim at the timing from which the counted value for a great success judging becomes difficult for an inaccurate substrate to be connected to the main substrate value of the counter for a great success judging takes I round anew. Then, it [0154] That is, stepping of a counter begins from initial value random whenever the also changes at random.

10156] Here, suppose that the counted value of the counter for generating the random 6 at the time was "3." then, random — random, while "3" is extracted as 9 and the value is saved (Step S116) — the value is set as the counter for generating and the value is saved (Step S136) — the value is set as the counter for generating saved (Step S136) — the value is set as the counter for generating random 6 from this time will be

carried out from initial value "3." [0157] If the value of the counter for generating random 6 carries out stepping and is set to "3", it will be detected that counted value was in agreement with initial value by processing of Step S114. Then, random 9 is extracted by processing of

[0159] As mentioned above, whenever the value of the counter for generating ".(sbnuon mumixem becomes "11 (it considers as the decision value corresponding to the number of the In addition, in drawing 21, the asterisk (\*) shows the position where counted value counter for generating random 6 from this time is carried out from initial value "k." S116) — the value is set as the counter for generating 6 Therefore, stepping of the then, random — random, while "k" is extracted as 9 and the value is saved (Step the counted value of the counter for generating the random 9 at the time was "k." of Step S115. In addition, in drawing S1, it is shown at this time by C. Suppose that initial value by processing of Step S114. Then, random 9 is extracted by processing and is set to "II", it will be detected that counted value was in agreement with [0158] And if the value of the counter for generating random 6 carries out stepping counter for generating random 6 from this time is carried out from initial value "11." \$116) -- the value is set as the counter for generating 6 Therefore, stepping of the then, random — random, while "11" is extracted as 9 and the value is saved (Step. counted value of the counter for generating the random 9 at the time was "11." Step S115. In addition, in drawing S1, it is shown at this time by B. Suppose that the

and is random, as shown to drawing 21 by the asterisk. corresponds with the decision value corresponding to the large number of rounds irregular to the timing whose counted value for the number determination of rounds main substrate 31. It is because according to the gestalt of this operation it is substrate, and to send unjust signals (starting winning-a-prize signal etc.) into the of counted value is recognized based on the signal outputted from the main number of rounds though the renewal timing for the number determination of rounds determination of rounds turns into a decision value corresponding to the large substrate, to aim at the timing from which the counted value for the number Then, it becomes difficult for an inaccurate substrate to be connected to the main value of the counter for the number determination of rounds takes 1 round anew. [0160] That is, stepping of a counter begins from initial value random whenever the counter for the number determination of rounds also changes at random. of the random 9 generated also turns into a random value, the initial value of the the advance situation of a game, it is random periods. Consequently, since the value interruption next occurs for 2ms) And since the remainder time differs according to up not much by time (time after game control processing is completed until a timer (counter for the number determination of rounds) for generating 6 -- it is counting (random counter for generating 9) for determining the initial value of the counter control processing in which CPU in game control means performs the counter stepping of the counter is henceforth carried out from the value, random -- game random 6 takes I round (19 counts), initial value new as counted value is set up, and

decision value for the number determination of rounds. In the example shown in between the random number for the number determination of rounds, and the [0161] Drawing 22 is explanatory drawing showing an example of the relation

drawing 22 for the state of a game machine to be in a low probability state When the value of the extracted random number for the number of rounds is determination of rounds is surgerement with 2, 4, 6, 8, 10, 12, 14, 16, and 18, the number of rounds is determined as 12. When the value of the random number for the number determination of rounds is and when the value of the random number for the number determination of rounds is no surgement with 3, 7, 11, and 15, the number of rounds is determined as 16.

The extracted random number for the number determination of rounds is noreover, for the state of a game machine to be in a high probability state When the surgement with 2, 4, 6, 8, 10, 12, 14, 16, and 18, the number of rounds is determined is in agreement with 1, 3, 5, 7, 11, 13, 15, and 17, the number determined is in determined as 16.

Tounds is in agreement with 1, 3, 5, 7, 11, 13, 15, and 17, the number of rounds is determined as 16.

[0162] Drawing 23 is explanatory drawing showing an example of the number information of rounds. In this example, the screen which the pattern which is becoming it a great success in the adjustable display 9 shows the number of rounds game control means determined the back that it was displayed in the adjustable

display 9 is displayed.

[0163] In addition, although the number of rounds in a great success game was determined based on the value of the random number for the number determination of rounds in the above—mentioned example, according to the halt pattern of a pattern, the number of rounds may be made to be determined specially. Drawing 24 is explanatory drawing showing an example of such a number determination method of rounds. When the number of rounds is specially determination of rounds is pattern of a pattern, the random number for the number determination serves as not used, but the random number for great success pattern determination serves as the random number for determining the number of rounds.

To 164] Moreover, after performing display production which that the number of rounds is drawn can recognize to a game person, you may make it display the determination result of the number of rounds in the adjustable display 9 in the above-mentioned example, although the determination result of the number of rounds was displayed. Furthermore, when the number of rounds is specially determined according to the halt pattern of a pattern and it is decided that it will be the number of the maximum rounds (this example 16 rounds), after that, the adjustable display (re-change) of a pattern is performed again, and the last halt indication of the pattern according to the number of the maximum rounds may be made to give a temporary halt indication of the pattern according to rounds may be made to give a temporary halt indication of the pattern according to rounds rounds of the maximum rounds, and to be given.

[0165] Drawing 25 (A) is a flow chart which is performed in the game control processing shown in drawing 10 and which usually shows pattern processing of (Step S27). Usually, by pattern process processing, CPU56 performs processing of either of the processings usually shown in Steps S72–S76 according to the value of

starting storage is usually formed in Backup RAM. for a judgment (random 5) per pattern, and memorizes the value. In addition, pattern 41 is usually turned on. And CPU56 usually extracts the value of the random number of pattern starting storage, Light Emitting Diode of the pattern starting storage drop starting storage will usually be carried out +one. In addition, according to the value reached maximum (this example "4"), and if it has not reached, the value of pattern If gate switch 32a turns on, it checks whether pattern starting storage has usually the gate 32 which usually serves as conditions of a pattern change start is detected. [0166] In gate switch processing, ON of gate switch 32a based on hit ball passage of a pattern process flag, after performing gate switch processing of Step SVI.

storage is usually except zero. Nothing will be carried out if the value of pattern usually update the value of a pattern process flag, if the value of pattern starting [0167] In the waiting processing for common pattern change of Step 572, CPU56 will

in agreement with for example, the time of probability changing at the time of the agreement with a value, it will be decided that it will be a hit. In addition, it is usually value of the random number for a judgment usually hits per pattern and it is in and values are either 3-12 and are 3, 5, or 7 at the time of low probability. If the a gap per pattern. As shown in drawing 25 (B), it hits at the time of high probability, in which the random number for a judgment (random 7) and hit/show a relation with [0168] Drawing 25 (B) is usually explanatory drawing in the gestalt of this operation starting storage is usually 0.

will be a hit, after the adjustable display of a pattern is usually completed, adjustable a blank, it determines at values other than "3" and "7." When it is decided that it in considering as a hit, it determines a halt pattern as "3" or "7", and in the case of when a pattern is usually the number of 0–9, supposing hit patterns are "3" and "7", random number etc., the halt pattern of a pattern is usually determined. For example, relation shown in drawing 21, hit/determines a gap. And based on a predetermined storage area, i.e., the common pattern currently extracted. That is, based on the judgment, hit/determines a gap per value read from the random number value value storage area is shifted And based on the value of the random number for a starting storage is usually reduced by one, and the value of each random number in the random number value storage area corresponding to =1, the value of pattern usually -- the number of pattern starting storage -- while reading the value stored [0169] CPU56 -- usually -- pattern judging processing (Step S73) -- setting -high probability of a pattern.

time of high probability, it is the pattern which sets the closing period for 4.4 adjustable winning-a-prize sphere equipment 15 opens wide for 1.15 seconds at the seconds only once for example, at the time of low probability. Moreover, after Is a pattern which adjustable winning-a-prize sphere equipment 15 opens for 0.2 [0170] In addition, the open pattern of adjustable winning-a-prize sphere equipment winning-a-prize sphere equipment 15 is opened wide.

seconds and opens it for 1.15 seconds again. According to an open pattern, opening-

control processing in which CPU56 performs the counter (random counter for stepping of the counter is henceforth carried out from the value, random -- game random 5 takes 1 round (11 counts), initial value new as counted value is set up, and [0175] As mentioned above, whenever the value of the counter for generating becomes "5 (one of the hit decision values)." addition, in drawing 26, the asterisk (\*) shows the position where counted value for generating random 5 from this time is carried out from initial value "m." In - the value is set as the counter for generating 5 Therefore, stepping of the counter random -- random, while "m" is extracted as 8 and the value is saved (Step S126) -counted value of the counter for generating the random 8 at the time was "m." then, Step S125. In addition, in drawing 26, it is shown at this time by G. Suppose that the value by processing of Step S124. Then, random 8 is extracted by processing of and is set to "8", it will be detected that counted value was in agreement with initial [0174] And if the value of the counter for generating random 5 carries out stepping for generating random 5 from this time is carried out from initial value "8" - the value is set as the counter for generating 5 Therefore, stepping of the counter random -- random, while "8" is extracted as 8 and the value is saved (Step S126) counted value of the counter for generating the random 8 at the time was "8." then, Step S125. In addition, in drawing 26, it is shown at this time by B. Suppose that the value by processing of Step 5124. Then, random 8 is extracted by processing of is set to "II", it will be detected that counted value was in agreement with initial [0173] If the value of the counter for generating random 5 carries out stepping and ".11" aulav laitini mort tuo barried salue ".11" generating 5 Therefore, stepping of the counter for generating random 5 from this 8 and the value is saved (Step S126) -- the value is set as the counter for random 8 at the time was "11" then, random -- random, while "11" is extracted as [0172] Here, suppose that the counted value of the counter for generating the drawing 26, it is shown at this time by A. initial-value determination) is extracted by processing of Step S125. In addition, in value by processing of Step S124. Then, random 8 (random number for random 5 \$122, and \$123), it will be detected that counted value was in agreement with initial progresses to "13", is carried out +one there and a value returns to 3 (Steps S121, random 5 is 3. Moreover, since "3" is set up as initial value at first, if counted value shown in drawing 16 and drawing 17. In this example, the value of the beginning of judgment) which changes with the random number update processes for a judgment counter for generating the random 5 (usually per pattern random number for a [0171] Drawing 26 is explanatory drawing showing an example of the value of the electric / for opening and closing the starting winning-a-prize mouth 14 ]. sphere equipment 15 as an electric accessory is usually used also Laccessory / out. In addition, with the form of this operation, the adjustable winning-a-prize and-closing control of the adjustable winning-a-prize sphere equipment 15 is carried

generating 8) for determining the initial value of the counter (usually per pattern

counter for a judgment) for generating 5 — it is counting up not much by time (time after game control processing is completed until a timer interruption next occurs for 2ms) And since the remainder time differs according to the advance situation of a game, it is random periods. Consequently, since the value of the random 8 generated also turns into a random value, the initial value of the counter for a judgment also

usually changes at random per pattern.

[0176] That is, stepping of a counter begins from initial value random whenever the value of the counter for a judgment usually takes 1 round per pattern anew. Then, it becomes difficult for an inaccurate substrate to be connected to the main substrate 31, to aim at the timing which the counted value for a judgment usually hits per pattern though the renewal timing for a judgment of counted value is usually recognized per pattern based on the signal outputted from the main substrate 31, and becomes a decision value, and to send unjust signals (detecting signal of gate 32s etc.) into the main substrate 31. It is because according to the gestalt of this operation it is irregular to the timing which the counted value for a judgment usually hits per pattern, and becomes a decision value and is random, as shown to drawing the per pattern, and becomes a decision value and is random, as shown to drawing

the gestalt of this operation by the program which CPU56 and CPU56 perform. addition, the number-of-times determination means of an upper limit is realized by corresponds with a predetermined decision value becomes unfixed is realized. In for a judgment of a numeric value for the number of times of an upper limit controlled so that the timing whose numeric value updated with the renewal means number determination of rounds at the gestalt of this operation). The game machine extracted numeric value and a predetermined decision value (decision value for the continuation upper limit of the round in a great success game state based on the determination means of an upper limit to determine the number of times of a number of times of an upper limit is extracted. It has a number-of-times the numeric value of the renewal means for a judgment of a numeric value for the operation counter for generating 6), Based on predetermined condition formation, predetermined numeric-value within the limits (random, with the gestalt of this times of a continuation upper limit of the round in a great success game state by update the numeric value for a judgment used for the judgment of the number of means for a judgment of a numeric value for the number of times of an upper limit to times of a continuation upper limit (the gestalt of this operation 16 times). A renewal winning-a-prize mouth to closing continue repeatedly until it reaches the number of (with the gestalt of this operation). It is possible to make one opening of a large prize of V winning-a-prize field as a specific field, and is a predetermined round is based on formation of the continuation conditions by a game sphere winning a state is possible for a game person, and he sets in the great success game state. It person, control in the great success game state as an advantageous specific game predetermined game, and according to specific condition formation, for a game [0177] As mentioned above, with the gestalt of this operation, perform a 26 by the asterisk.

applicable also to the 2nd sort pachinko game machine. Drawing 27 is the front view the 1st sort pachinko game machine was made into the example, this invention is [0179] With the gestalt of operation of the gestalt 2. above of operation, although ηno the end of a great success game state, it may be generated and it may be carried carried out into the great success game state as a specific game state, and after field. Moreover, timing to which a internal structure is changed may be produced and where a game sphere tends to win a prize of V winning-a-prize field as a specific realize by enabling change in the state of being hard to win a prize with the state winning-a-prize mouth (adjustable winning-a-prize sphere equipment 24), and it can to change) to change. A movable member can be prepared in that case in a large winning-a-prize equipment is changed specially, and the timing (for example, round and a decision value) determine whether the internal structure of adjustable may make it a predetermined lottery (for example, comparison with a random number limit by the lottery by random 6 was illustrated with the gestalt of this operation, you [0178] Moreover, although what determines the number of times of a round upper Especially processing of Step S65 is equivalent to the program.

our. The factor of operation of the gestalt 2. above of operation, although the factor pachinko game machine was made into the example, this invention is applicable also to the 2nd sort pachinko game machine. Drawing 27 is the front view showing the game board 201. In drawing 27, the guidance rail 202 for guiding the discharged game board 201. In drawing 27, the guidance rail 202 for guiding the in the shape of a circle, and the field divided by the guidance rail 202 forms the game field 203 in it. In the center of a simultaneously of the game field 203, winning—a-prize sphere equipment 220, the starting winning—a-prize mouths 204c. According winning—a-prize mouths 204s—205c (starting detectors 205a—205c if a game sphere wins a prize of the starting prine all detectors 205a—205c if a game sphere wins a prize of the starting estrenged. According to detection, adjustable winning—a-prize mouths 204a–204c. According a prize of a game sphere of equipment 15 changes into an open state, winning a prize of a game sphere of equipment 215 changes into an open state, winning a prize of a game sphere of equipment 215 changes into an open state, winning a prize of a game sphere of a game field. In addition, when adjustable winning—a-prize sphere of a game in the game field. In gate and the game field in the gate and the game field and the gate and the game field and the gate and the gate switch in the game field and the gate and the gate and the gate and the gate switch in the game field and the gate 32 which built in gate switch in the game field an

[0180] The gate 32 which built in gate switch 32a is established in the game field 203, and the pattern drop 10 is usually formed in the upper part in adjustable winning—a-prize sphere equipment 220. The pattern drop 10 usually indicates the common pattern which consists of a number of 0-9 by adjustable. Furthermore, near the pattern drop 10, the common pattern starting storage drop 41 which consists of four Light Emitting Diodes is usually formed. If it is in the state which can usually perform an adjustable display in the pattern drop 10 when a game sphere wins a prize of the gate 32, an adjustable display will be started, and while pattern starting storage will usually be increased one if it is not in the state which can perform an adjustable display, and pattern starting storage (formed in Backup RAM) does not adjustable display, and pattern starting storage (formed in Backup RAM) does not

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starting storage drop 41 is increased. usually amount to 4, one Light Emitting Diode usually turned on in the pattern

204b by winning a prize.

open state. That is, a game sphere is set possible to starting winning a prize mouth predetermined time, adjustable winning-a-prize sphere equipment 15 will be in an 10 ] a display (halt pattern), only in the number of times of predetermined, and a [0181] When it is usually as a result of L of the adjustable display in the pattern drop

sides of the attachment substrate 221. and 227b through the ball paths 226a and 226b formed in the right-and-left both it is sent into the lower winning-a-prize space 230 from the ball exhaust ports 227a detectors 225a and 225b passes the winning-a-prize ball detectors 225a and 225b, 222. In addition, after the winning-a-prize ball detected with the winning-a-prize ball space 222 are formed in the bottom wall portion of the up winning-a-prize space couple which detects the game sphere which won a prize of the up winning-a-prize [0184] The winning-a-prize ball detectors 225a and 225b of the right-and-left off, it rotates in the direction which closes the up winning-a-prize space 222. and Solenoids 224a and 224b turn on. Moreover, when Solenoids 224a and 224b turn it connects with Solenoids 224a and 224b through a link mechanism, respectively closing rotate in the direction which opens the up winning—a—prize space 222, when a-prize space 223 possible [ rotation ]. The pieces 223a and 223b of opening and 223b of opening and closing of a right-and-left couple are formed in the up winninga-prize space 222 is formed in the attachment substrate 221. The pieces 223a and sphere equipment 220 in the front face of the game board 201, and the up winning-[0183] It has the attachment substrate 221 for attaching adjustable winning-a-prize 208a and 208b, and the side lamps 210a and 210b are prepared in the game field 203. wind-mill lamps 207a and 207b besides the above-mentioned composition, wind mills mouth 211 grade which built in the wind mills 206a and 206b which contained the called starting operating state. Moreover, the side lamp trims 209a and 209b and out winning-a-prize detection of the starting ball detectors 205a-205c in this way is winning-a-prize sphere equipment 220 performs open operation according to sphere equipment 220 is opened twice wide. Moreover, the state where adjustable among the starting winning-a-prize mouths 204a-204c, adjustable winning-a-prize once wide, and when a prize of central starting winning-a-prize mouth 204b is won mouths 204a-204c, adjustable winning-a-prize sphere equipment 220 is opened mouths 204a and 204c on either side is won among the starting winning-a-prize equipment 220 is shown in drawing 28, when a prize of the starting winning-a-prize reference to drawing 28 and drawing 29. As adjustable winning-a-prize sphere [0182] Mext, adjustable winning-a-prize sphere equipment 220 is explained with

two or more states (the state of the adjustable winning-a-prize sphere equipment adjustable winning-a-prize sphere equipment which a internal structure changes to si bns elaming 23 is an drawing 28 and drawing 29 is an example and is [0185] In addition, as long as the composition of the adjustable winning-a-prize

220 which is easy to win a prize of the specific field to which the game sphere is prepared in adjustable winning—a-prize sphere equipment 220 which cannot win a prize easily), adjustable winning—a-prize sphere equipment 220 which cannot win a prize easily), and deals in it, it may be what composition.

and desirs in it, it may be wrist composition.

[0186] Moreover, the number-of-times drop 229 of continuation which displays the number of times of continuation of the round in the winning-a-prize number drop 228 and the specific game state which display the number of detection of the winning-a-prize ball detectors 225a and 225b on the winning-a-prize ball detectors 225a and 225b on the winning-a-prize space 222 is formed. In addition, the pattern as identification information corresponding to the number of the maximum number drop 228 and the probability state is also displayed on the winning-a-prize number drop 228 and the number-of-times drop 229 of continuation at a number drop 228 and the number-of-times drop 229 of continuation serve also as number drop 228 and the number-of-times drop 229 of continuation serve also as adjustable display for displaying identification information may be prepared adjustable display for displaying identification information may be prepared separately [ the winning-a-prize number drop 228 and the number-of-times drop separately [ the winning-a-prize number drop 228 and the number-of-times drop

229 of continuation J. The up rolling board 240 allotted behind [ upper-limit section ] the lower rolling board 231 which rolls the winning—a-prize ball sent in from the ball exhaust ports 227a and 227b toward back, the opening 232 formed in the down-stream edge of the lower rolling board 231, the opening—and-closing board 234, and the rotating drum 236 is formed in the upper part position of the opening—and-closing board 234, and the rotating drum 236 is formed in the lower winning—a-prize space 230. A solenoid 235 is connected with the opening—and—closing board 234, and when a solenoid 235 turns on, advance movement is carried out in the direction which opening 232 closes. Moreover, when a solenoid 235 turns out in the direction which opening 232 closes. Moreover, when a solenoid 235 turns off, retrogression movement is carried out in the direction which opens opening 232. [0188] A motor 238 is connected with a rotating drum 236 through each connection gears 237a-237c, and, on the other hand, it always rotates to \*\* by constant speed sears 237a-237c, and, on the other hand, it always rotates to \*\* by constant speed according to the drive of a motor 238. However, a motor 238 is able to rotate to an according to the drive of a motor 238. However, a motor 238 is able to rotate to an

opposite direction. [0189] Moreover, permanent magnets 239a-239c are installed in the peripheral surface of a rotating drum 236 by three horizontal single tiers of the left and Nakamigi. Therefore, in the state of synizesis of the opening 232 with the opening and-closing board 234, a rotating drum 236 attracts the game sphere which it stays on the opening board 234 by the magnetism of permanent magnets 239a-239c, and sends it into rotation operation with the attracted game sphere at the up rolling sends it into rotation operation with the attracted game sphere at the up rolling

board 240. [0190] Each ramps 240a and 240b which carry out a declivity to a longitudinal direction bordering on a center are formed in the back side of the up rolling board 240, and the ball paths 241a and 241b which send in again the game sphere rolling

on Ramps 240a and 240b on the lower rolling board 31 are formed in the downstream (right-and-left both sides) of Ramps 240a and 240b. In addition, the declivity of the ramps 240a and 240b is carried out a little also to the back side. Moreover, the specific acceptance mouth 242 as a specific field is formed in the center of back of the up rolling board 240, and the movable members 243a and 243b of a right-and-left couple are formed in it ahead of the specific acceptance mouth

the specific ball detector 248. sphere won a prize of the specific acceptance mouth 242, and was detected with addition, in the following explanation, it is also called V winning a prize that the game not illustrated is formed in the downstream of the specific ball detector 248. In through the lower part position of the opening-and-closing board 234 and which is specific acceptance mouth 242. The ball path which discharges the detected ball included in the specific acceptance mouth 242 is formed in the interior of the detector 248 as a specific detection means to detect the winning-a-prize sphere the periphery of the specific acceptance mouth 242. Moreover, the specific ball [0192] Two or more Light Emitting Diode drops 247 for an ornament are formed in the direction which cancels interception of the specific acceptance mouth 242 front. when a solenoid 245 turns on. Moreover, when a solenoid 245 turns off, it rotates in in the direction which intercepts the front of the specific acceptance mouth 242, which constitutes a solenoid 245 The movable members 243a and 243b are rotated 244a and 244b (movable members 243a and 243b) attitude operation of plunger 245a connection — a member 246 changes into rotation operation of the axes of rotation interlocking sections 246a and 246b of a member 246 are attached in one in addition, solenoid 245 with the back end of the axes of rotation 244a and 244b -- each the movable members 243a and 243b in one, respectively, and connected the [0191] the connection which the axes of rotation 244a and 244b were attached in 242

equipment 220 will be in the state where a game sphere cannot win a prize of a specific field easily, by what is maintained in the front of the specific acceptance mouth members 243 and 243b do not intercept the front of the specific acceptance mouth 242 (have evacuated to the upper part). Moreover, when the opening and closing board 234 opens opening 232, it can change into the state where a game sphere

cannot win a prize of a specific field easily.

[0194] Drawing 30 is the block diagram showing an example of the circuitry in the game control board (the main substrate) 31 currently installed in the rear face of a game machine. In addition, the expenditure control board 37, the ramp-control substrate 35, the sound control board 70, the discharge control board 91, and the pattern control board (henceforth a display-control substrate) 80 are also shown in drawing 30. The basic circuit 53 which controls a pachinko game machine according to a program, and the switching circuit 58 which gives the specific ball detector 248, the starting ball detectors 205a-205c, the winning-a-prize ball detectors 225a and the starting ball detectors 205a-205c, the winning-a-prize ball detectors 225a and

2255b, and the detecting signal from the clear switch 921 to the basic circuit 53 are

carried in the main substrate 31. 235,245 according to the instructions from the basic circuit 53, and the motor circuit 50 which drives a motor 238 according to the instructions from the basic circuit 53 are carried in the main substrate 31. Moreover, the information output circuit 64 which outputs information output signals, such as great success information which shows generating of great success according to the data given from the basic circuit

53, to external devices, such as a hole computer, is carried. [0196] The basic circuit 53 contains RAM55 as ROM54 which memorizes the program for game control etc., and a storage means (a means to memorize change data) used as work memory, CPU56 which performs control action according to a program, and the I/O Port section 57. With the gestalt of this operation, ROM54 and RAM55 are built in CPU56. That is, CPU56 is 1 chip microcomputer. In addition, that, as for 1 chip microcomputer, RAM55 should just be built in at least, even if ROM54 as for 1 chip microcomputer, RAM55 should just be built in at least, even if ROM54

and the I/O Port section 57 are external, they may be built in. [0197] moreover, the backup power supply by which a part or all of RAM (you may be the CPU built—in RAM.)55 is created in the power supply substrate 910 — it is the backup RAM backed up That is, even if the electric power supply to a game machine stops, the part or all the contents of RAM55 are saved for a predetermined

period.

[0198] In addition, the ramp-control means carried in the ramp-control substrate 35 outputs a control signal to various light-emitting part material, such as the side lamps 210a and 210b, the wind-mill lamps 207a and 207b, the Light Emitting Diode drop 247, and other frame ornament lamps, and controls operation of various light-emitting part material by the gestalt of this operation in a predetermined mode. Moreover, the display control of the pattern drop 10 is usually performed by the display-control means carried in the display-control substrate 80 with the winning—aprize number drop 228 and the number-of-times drop 229 of continuation. Moreover, the sound control means carried in the sound control means carried in the sphere as a premium is controlled by the expenditure control board 30. A ramp-control means and sound control means may expenditure control board 37. A ramp-control means and sound control means may be carried in one substrate. Furthermore, a display-control means, a ramp-control means, and sound control means.

[0199] Moreover, the power supply substrate 910 grade in which the backup power supply was also carried is also installed in the game machine rear face like the case of the gestalt 1 of operation.

[0200] Drawing 31 is the block diagram usually showing the circuitry in the display—control substrate 80 with the output port (ports 0 and 2) 570,572 and the output—buffer circuits 620 and 62A of the pattern drop 10, the winning—a-prize number drop 228 and the number—of-times drop 229 of continuation, and the main substrate 51.

repeat open operation of a predetermined time 18 times (18 times of opening-andcontrol means ] ON/OFF control, the pieces 223a and 223b of opening and closing [0204] In the state of a specific game, when a solenoid 235 carries out [ game in the specific ball detector 248, a specific game state occurs at this time. (detection of the game sphere by the specific ball detector 248) of the game sphere discharged after passing the specific ball detector 248. Moreover, based on passage which V winning a prize was done) sent to the specific acceptance mouth 242 is 242 by quite high probability (it is not 100%). And the game sphere of permanent magnet 239b, the game sphere is sent to the specific acceptance mouth which it stayed on the opening-and-closing board 234 is attracted by central 241b falls, and opening 232 is discharged. On the other hand, when the game sphere And through the lower rolling board 231, the ball sent to the ball paths 241a and opening 232 by OFF control of the solenoid 235 by game control means at this time. addition, the opening-and-closing board 234 is moving in the direction which opens the game sphere is sent to the ball paths 241a and 241b by 100% of probability. In is attracted by the permanent magnets 239a and 239c on either side at this time, [0203] When the game sphere which it stayed on the opening-and-closing board 234 236, it will be sent into the up rolling board 240 with rotation of a rotating drum 236. time of opening 232 by one permanent magnets 239a-239c of the rotating drums sphere sent into the lower winning-a-prize space 230 is attracted within the closing detect a winning-a-prize ball until a predetermined time passes. And if the game which closes opening 232 after the winning-a-prize ball detectors 225a and 225b game control means, the opening-and-closing board 234 moves in the direction prize ball detectors 225a and 225b. Moreover, by ON control of the solenoid 235 by ball will be sent into the lower winning-a-prize space 230 through the winning-ain the up winning-a-prize space 222 during the open operation, the winning-a-prize pieces 223a and 223b of opening and closing will open. It a game sphere wins a prize predetermined-time ON of the solenoids 224a and 224b will be carried out, and the 220 by game control means is explained. If starting operating state occurs, [0202] Next, operation control of the adjustable winning-a-prize sphere equipment drop 229 of continuation according to the received display-control command. the pattern drop 10, the winning-a-prize number drop 228, and the number-of-times controls. And CPU101 for display controls usually performs the display control of prepared between the input-buffer circuits 105A and 105B and CPU101 for display when CPU101 for display controls does not build in the I/O Port, an I/O Port is general-purpose IC can be used as input-buffer circuits 105A and 105B. In addition, buffer circuit 105B from the main substrate 51. 74HC540 and 74HC14 which are data ROM102 and an INT signal is inputted through a noise filter 107 and inputinput-buffer circuit 105A, if it operates according to the program stored in control [0201] CPU101 for display controls will receive a display-control command through signal (INT signal) is outputted from an output port 570. From an output port (output port 2) 572, 8-bit data are outputted and a 1-bit strobe

223a and 223b of opening and closing (number of times of a round), and the winningdrop 229 of continuation displays the number of times of continuation of the pieces times (15 rounds). Moreover, in such a specific game state, the number-of-times [0207] The number of times of continuation of a round is permitted a maximum of 15 except the last round, the right of continuation will be materialized. 242 as a specific field in each round (18 times of opening-and-closing cycles) closing cycles, and it a game sphere wins a prize of the specific acceptance mouth is, with the gestalt of this operation, one round consists of 18 times of opening-andpredetermined interval passage of time. That is, the following round is started. That cycle of the pieces 223a and 223b of opening and closing again after the closing cycles is materialized. Formation of the right of continuation starts the open the specific ball detector 248, the right of continuation of 18 times of opening—and-Winning a prize was done) included in the specific acceptance mouth 242 passes specific acceptance mouth 242. And when the game sphere (game sphere of which 243a and 243b rolls the up rolling board 240 to straight back, and goes into the being turned off. Therefore, the winning-a-prize ball caught by the movable members interception of the specific acceptance mouth 242 front in each solenoid 235,245 opens opening 232 wide, and the movable members 243a and 243b cancel opening-and-closing cycle of the last round, the opening-and-closing board 234 prize ball detectors 225a and 225b after an opening-and-closing cycle end), in the time for all the game spheres that won a prize being detected by the winning-a-[0206] Then, with the end of an opening-and-closing cycle (waiting for sufficient 243a and 243b of the specific acceptance mouth 242 front. permanent magnet 239b, the winning-a-prize ball is caught by the movable members which it stayed on the opening—and—closing board 234 is attracted by central opening-and-closing board 234 again. On the other hand, when the game sphere lower rolling board 231 through the ball paths 241s and 241b, and it stays it on the permanent magnets 239a and 239c on either side, the game sphere is sent into the sphere which it stayed on the opening—and-closing board 234 is attracted by the till the end point in time of an opening-and-closing cycle. Therefore, when the game sphere equipment 220 into the opening-and-closing cycle does not fall opening 232 [0205] Therefore, the game sphere which won a prize of adjustable winning-a-prize prize of the specific acceptance mouth 242). acceptance mouth 242 except for the last cycle (it becomes impossible to win a the movable members 243a and 243b always intercept the front of the specific always turned on, the opening and closing board 234 always closes opening 232, and of the pieces 223a and 223b of opening and closing is that each solenoid 235,245 is closing is ended at the time. Moreover, the inside of the opening-and-closing cycle 225a and 225b, the switching action of the pieces 223a and 223b of opening and when ten winning-a-prize balls are detected by the winning-a-prize ball detectors closing cycles). In addition, before completing an opening-and-closing cycle 18 times,

a-prize number drop 228 displays the winning-a-prize number for every round.

[0208] Mext, operation of a game machine is explained. The game control means (circumference circuits, such as CPU56, and ROM, RAM) in the main substrate 31 will start the processing shown in drawing 9, and the same main processing, if a power supply is switched on to a game machine and the input level of a reset

terminal becomes high-level. [0209] If a timer interruption occurs after execution (Steps S11-S15) of the initialization processing in main processing is completed, CPU56 will perform game control processing of Steps S81-S92 shown in drawing 32, after performing evacuation processing (Step S80) of the register shown in drawing 32. In game control processing, first, through a switching circuit 58, CPU56 inputs the detecting signal of the switch of the specific ball detector 248, the starting ball detectors 205a-205c, and the winning-a-prize ball detectors 225a and 225b, and performs that the switch (switch separate pages) and starting ball detectors 205a-205c, and the winning-a-prize ball detectors 225a and 225b, and performs

those state judgings (switch processing: step 581). [0210] Subsequently, various unusual diagnostic processes are performed by the self-checking function with which the interior of a pachinko game machine is equipped, and according to the result, if required, an alarm will be emitted (error

control, processing which corresponds according to the process flag for controlling a [0213] Furthermore, CPU56 performs process processing (Step S86). In process determination per pattern as a random number for initial value. number for the number determination of rounds, and the random number for state determining the initial value of the random number for a judgment, the random drop 10 as a random number for a display, and there is a random number for usually There is a random number for usually determining the halt pattern in the pattern pattern as a random number for a judgment and the end of a specific game state. and the number of the maximum continuation rounds in a great success game per determination of rounds) for usually determining the random number for a judgment easy to carry out after the random number (random number for the number of the internal structure of adjustable winning-a-prize sphere equipment 20 is made (random number for state determination) for determining whether V winning a prize [0212] In addition, with the gestalt of this operation, there is a random number for a display, and the random number for initial value further (Steps S84 and S85). which updates the counted value of the counter for generating the random number judging used for game control, is performed (Step S83). CPU56 performs processing generating each random number for a judgment, such as a random number for a hit [0211] Next, processing which updates the counted value of each counter for processing : step S82).

processing according to a game state. [0214] Moreover, pattern processing, processing to which it usually performed (Step S87). By pattern process processing, processing to which it usually corresponds according to a pattern process flag in order to usually control the display state of the pattern

pachinko game machine in predetermined sequence according to a game state is selected and performed. And the value of a process flag is updated during each

drop 10 in predetermined sequence is usually selected and performed. And the value of a pattern process flag is usually updated during each processing according to a game state. In addition, pattern process processing is usually an execute permission like the case (refer to drawing 25) of the gestalt 1 of operation.

[0215] Subsequently, CPU56 performs processing which sets a display-control command as the predetermined field of RAM55, and transmits a display-control command as the predetermined field of RAM55, and transmits a display-control

like the case (refer to drawing 25) of the gestalt 1 of operation. [0215] Subsequently, CPU56 performs processing which sets a display-control command as the predetermined field of RAM55, and transmits a display-control command (command control processing: step S88). Furthermore, CPU56 performs information output processing which outputs data supplied to for example, a hole information and starting information administrative computer, such as great success information and starting information

information, (Step S89). [0216] Moreover, CPU56 performs drive instructions in the solenoid circuit 59, when predetermined conditions are satisfied (Step S90). Furthermore, the signal which orders it the drive of a motor 38 is given to the motor circuit 60 (Step S91). The awarded-balls performs as setup of the awarded-balls number based on detecting signals, such as the winning-a-prize ball detectors 225a and 225b, etc. (Step S92). Specifically according to the winning-a-prize all detectors 225a and 225b etc. (Step S92). Specifically according to the winning-a-prize etc. turned on, the expenditure control command which shows the awarded-balls number to the expenditure control board 37 is outputted. CPU371 for expenditure control carried in the expenditure control board 37 drives sphere expenditure control carried in the expenditure control board 37 drives sphere expenditure equipment 97 according to the expenditure control command which shows the awarded-balls number. Then, the control carried is register is returned (Step S93) and it awarded-balls number. Then, the content of a register is returned (Step S93) and it

is set as an interruption authorized state (Step 594). [0218] By the above control, game control processing will be started every 2ms with the gestalt of this operation. In addition, although game control processing is performed by timer-interruption processing, only the set of a flag in which it is shown that interruption occurred is made, and game control processing may be made to perform in timer-interruption processing with the gestalt of this operation in

main processing. 33 is a flow chart which shows an example of the program of the process processing which CPU56 performs. The process processing which CPU56 performs. The process processing of Step S86 in the flow chart of drawing 32. drawing 33 is concrete processing of Step S86 in the flow chart of drawing 32. In process processing, CPU56 processes either of Steps S500–S508 scoording to an internal state (this example process flag). The following processings according to an internal state (this example process flag). The following processings

are performed in Steps 5500–5508. [O221] Usually, processing (Step 5500): If it checks whether the starting ball detectors 205a-205c have detected the game sphere and there is detection by the starting ball detectors 205a-205c, the value of a process flag will be changed so that

it may shift to Step S501. [O222] Starting operation processing (Step S501): While performing control for only a predetermined period and the number of times of predetermined opening adjustable winning—a—prize sphere equipment 220, set up specific ball life (setup by software).

And if the open period of adjustable winning-a-prize sphere equipment 220 passes, after performing processing for closing adjustable winning-a-prize sphere equipment 220, the value of a process flag is changed so that it may shift to Step 5502. When there is V winning a prize has been during specific ball life. When there is V winning a prize, lots are cast after specific ball life progress as generating of great success in the probability state about the game state after the number of the maximum continuation rounds in a great success game (specific game state), and a great success game, and the value of a process flag is changed so that it may shift to success game, and the value of a process flag is continuation rounds in a great success flag is changed so that it may shift to success game, and the value of a process flag is success game, and the value of a process flag is success game, and the value of a process flag is

changed so that it may shift to Step S503): Transmit the command for directing a round start pretreatment (Step S503): Transmit the command for directing a round start to the display—control substrate 80 or the ramp—control substrate 35. Then, the value of a process flag is changed so that it may shift to Step S504. Then, the value of a processing (Step S504): An opening—and—closing cycle supervises whether ten winning—a-prize balls were detected by an end or the winning—a-prize ball detectors 225a and 225b 18 times. Before completing the opening—and—closing cycle 18 times or completing an opening—and—closing cycle 18 times, when ten winning—a-prize balls are detected by the winning—a-prize ball detectors 225a and 225b, the value of a process flag is changed so that it may shift detectors 225a and 225b, the value of a process flag is changed so that it may shift

to Step S505. When the number of the maximum continuation rounds is not reached, it checks whether there has been any V winning a prize, and if there is V winning a prize, the value of a process flag will be changed so that it may shift to Step S503. If there is no V winning a prize, the value of a process flag will be changed so that it may shift to Step S506. Moreover, when of a process flag will be changed so that it may shift to Step S506. Moreover, when the number of the maximum continuation rounds is reached, the value of a process of a process flag will be changed as the step S506.

flag is changed so that it may shift to Step 5506.

[0227] In addition, at the last round (round of the time which is in agreement with the number of the maximum continuation rounds), game control means change the internal structure of adjustable winning—a-prize sphere equipment 220. For example, adjustable winning—a-prize sphere equipment 220 is changed into the state where a adjustable winning—a-prize sphere equipment 220 is changed into the state where a game sphere cannot win a prize of a specific field easily, by what (have evacuated to position which does not intercept the front of the specific acceptance mouth 242. Moreover, in the last round, game control means are disregarded, even if a game sphere wins a prize of a specific field. That is, at the last round, the state where a game sphere does not win a prize of a specific field in software is set up.

[0228] Specific game state end processing (Step 5506): Transmit the command for directing a specific game state end to the display—control substrate 80 or the ramp—control substrate 35. Moreover, control for reporting the probability state control substrate 35. Moreover, control for reporting the probability state

display-control substrate 80, and a halt pattern is transmitted. Then, the value of a pattern in the adjustable display 228,229 for reporting a probability state to the adjustable indication of the number of "1" - "9" is given in this example.) of the the display-control command which specifically directs change (suppose that an

change passes, the value of a process flag will be changed so that it may shift to [0229] Pattern change Maka processing (Step 5507): If the change period of pattern process flag is changed so that it may shift to Step S507.

which directs a halt of change of a pattern to the display-control substrate 80. [0230] Pattern halt processing (Step 5508): Transmit the display-control command Step 5508.

of a process flag is changed so that it may shift to Step 5500. inside probability-changing flag) about a probability state is set up. Then, the value Moreover, the internal flag (the high probability-changing flag mentioned later and

[0231] Drawing 34 is explanatory drawing showing each random number. Each

random number is used as follows.

- 5:common pattern drop 10 (usually for [ pattern this ] \*\*\*\*\*). (1) Determine whether usually generate the hit based on a pattern in the random
- success game (for the number determination of rounds). (2) Determine the number of the maximum continuation rounds in a random 6:great
- determination). (3) Random 8 : determine the initial value of random 5 (for random 5 initial-value
- determination). (4) Random 6 : determine the initial value of random 6 (for random 6 initial-value
- (5) Determine the game state after a random 10:great success game end (for state
- (6) Random 11 : determine the initial value of random 10 (for random 10 initial-value determination).

Moreover, the range which each random number value shown in drawing 34 can take random number of above-mentioned (1) - (6) etc. are usually used for accumulating the game effect is heightened -- random numbers about a pattern other than the are a random number for a display, or a random number for initial value. in addition, they are the random numbers for a judgment and random numbers other than these rounds of (2), and the object for the state determination of (5) (1 addition). That is, random number for \*\*\*\*\*\*, the random number for the number determination of CPU56 counts up the counter for  $\lfloor (1) \rfloor$  usually generating pattern this the [0232] In addition, at Step S83 in the game control processing shown in drawing 32, determination).

maximum continuation rounds that it will be either of eight to 15 rounds. That is, if in in drawing 35, with the gestalt of this operation, it is decided as the number of the rounds (random 5), and the number of the maximum continuation rounds. As shown decision value for determining the random number for the number determination of [0233] Drawing 35 is explanatory drawing showing an example of a relation with the is also an example, and other ranges can also be used.

agreement with the value the value of the extracted random 5 was indicated to be to the right column of drawing 35, the number of the maximum continuation rounds

continuation, before for example, a great success game is started. In this case, although only a determined number drop 228 and the number of times drop 229 of continuation, before for example, a great success game is started. In this case, although only a determination result may be displayed, since the adjustable display of a pattern etc. is directed, you may display a determination result. Moreover, the number fewer than the determined number of the maximum continuation rounds of each round is displayed, and the number whose number increased before the start of each round is displayed, and you may make it display the number of the maximum of each round is displayed, and you may make it display the number of the maximum of each round is displayed, and you may make it display the number of the maximum found corresponding to the maximum continuation round. Since the number which increases gradually is reported to a game person when such a display is performed, it can raise to round digestion with a game person's hope.

[0235] Drawing 36 is explanatory drawing showing an example of the relation of the local contraction of the relation of the round digestion with a game person's hope.

value of random 10 (random number for state determination) and probability state which were extracted. A high probability state is in the state which is easy to carry out V winning a prize from an inside probability state, after a great success game is completed. An inside probability state, after a great success game is completed. An inside probability state, after a great success game is completed winning a prize from a low probability state, after a great success game is completed. [0236] In Step 5502 mentioned above, game control means extract random 10, and drawing 36 based on the relation shown in an extraction value and drawing 36 based on the relation shown in an extraction value and determine the game state after a great success game end. In addition, after the end of a great success game, the adjustable display 228,229 is used for a determination result, and it is reported to a game person. The information pattern shown in drawing 36 is a pattern for reporting the determination result of the game state after a great success game end. In this case, although only a determination result may be displayed, since the adjustable display of a pattern etc. is directed, a tesult may be displayed, since the adjustable display of a pattern etc. is directed, a determination result is expressed as the gestalt of this operation.

determination result is expressed as the gestalt of this operation. [0237] Drawing 37 is a flow chart which shows an example of the random number update process for a judgment (Step S83) performed by the game control processing shown in drawing 32. In the random number update process for a judgment, CPU56 carries out the value of the counter for generating random 5 (usually per pattern random number for a judgment) +one (Step S201). When the value of the counter for generating random 5 has become above (maximum +1), (Step S202) and counted yalue are returned to 3 (Step S203). In addition, with the gestalt of this operation,

(maximum +1) is 14. [0238] It checks whether it has been in agreement with the value with which the value of the counter for generating random 5 is saved as initial value at the initial value buffer for random 5 (Step S204). If not in agreement, counted value remains as

initial-value determination) is extracted (Step S225). That is, the counted value of remains as it is. When in agreement, random 11 (random number for random 10 the initial value buffer for random 10 (Step S224). If not in agreement, counted value which the value of the counter for generating random 10 is saved as initial value at [0242] And it checks whether CPU56 has been in agreement with the value with operation, (maximum +1) is 12. and counted value are returned to 0 (Step S223). In addition, with the gestalt of this the counter for generating random 10 has become above (maximum +1), (Step S222) number for state determination) is carried out +one (Step S221). When the value of [0241] Furthermore, the value of the counter for generating random 10 (random initial value buffer for random 6 is also formed in Backup RAM. Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 6 is saved at although it is set as the counter for "0" generating random 6 as initial value when a value of the counter for generating random 6 is changed at this time. In addition, is set as the counter for generating random 6 (Step S217). Therefore, the initial initial value at the initial value buffer for random 6 (Step S216), the extracted value counter for generating random 9 is inputted. And while saving the extracted value as value determination) is extracted (Step S215). That is, the counted value of the remains as it is. When in agreement, random 9 (random number for random 6 initialthe initial value buffer for random 6 (Step S214). If not in agreement, counted value which the value of the counter for generating random 6 is saved as initial value at [0240] And it checks whether CPU56 has been in agreement with the value with gestalt of this operation, (maximum +1) is 19. (Step S212) and counted value are returned to 0 (Step S213). In addition, with the value of the counter for generating random  $\delta$  has become above (maximum +1), for the number determination of rounds) is carried out +one (Step S211). When the [0239] Moreover, the value of the counter for generating random 6 (random number change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 5 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 5 is saved at "3" is generally saved as initial value at the initial value buffer for random when a the counter for generating random 5 is changed at this time. In addition, although as the counter for generating random 5 (Step S207). Therefore, the initial value of value at the initial value buffer for random 5 (Step S206), the extracted value is set for generating random 8 is inputted. And while saving the extracted value as initial determination) is extracted (Step S205). That is, the counted value of the counter it is. When in agreement, random 8 (random number for random 5 initial-value

the counter for generating random 11 is inputted. And while saving the extracted value as initial value at the initial value buffer for random 10 (Step S226), the

extracted value is set as the counter for generating random 10 (Step S227). Therefore, the initial value of the counter for generating random 10 is changed at this time. In addition, although it is set as the counter for "0" generating random 10 of random 10 is saved at Backup RAM, it is returned to a preservation value at a power up. Moreover, the initial value buffer for random 10 is also formed in Backup power up. Moreover, the initial value buffer for random 10 is also formed in Backup power up. Moreover, the initial value buffer for random 10 is also formed in Backup power up. Moreover, the initial value buffer for random 10 is also formed in Backup currently held at the change data-storage means, when an electric power supply is restored

[0243] Drawing 39 is a flow chart which shows an example of the random number update process for initial value repeatedly performed in interruption remainder time (time until next 2ms timer interruption occurs after a game control processing shown in drawing 9 (Step S18) while being performed once in the game control processing shown in drawing 32 (Step S85).

the game control processing shown in drawing 52 (3cep 503).

[0244] In the random number update process for initial value, CPU56 carries out the value of the counter for generating random 8 (random number for random 5 initial—value determination) +one (5tep 5231). When the value of the counter for generating random 8 has become above (maximum +1), (5tep 5232) and counted value are returned to 3 (5tep 5233). In addition, (maximum +1) is 14 like the case of random 5. [0245] Moreover, CPU56 carries out the value of the counter for generating random 9 (random number for random 6 initial-value determination) +one (5tep 5234). When the value of the counter for generating random 9 has become above (maximum +1), (5tep 5235) and counted value are returned to 0 (5tep 5235). In addition, (maximum +1), (5tep 5235) and counted value are returned to 0 (5tep 5235). In addition, (maximum +1),

+1) is 19 like the case of random 6. [0246] And CPU56 carries out the value of the counter for generating random 11 (random number for random 10 initial-value determination) +one (Step S237). When the value of the counter for generating random 11 has become above (maximum +1), (Step S238) and counted value are returned to 0 (Step S239). In addition, (maximum

10247] Drawing 40 is a flow chart which shows an example of Step S508 (pattern halt processing) in process processing. In pattern halt processing (processing which stops the production by the pattern change for reporting the game state after a great success game end), CPU56 performs processing which transmits the definite command which shows a change halt of a pattern to the display—control substrate 80 (Step S581). Subsequently, it checks whether it is being already in a probability—changing state (a high probability state, an inside probability state, or low probability state) (Step S582). If it is in a probability—changing state (a high probability atate, an inside probability than probability—state) (Step S582). If it is in a probability—changing state (a high probability atate, an inside probability state, and a processing is ended to the value corresponding to processing (Step S500) (Step S586), and pattern halt end processing is ended.

[0248] if it is not in a probability-changing state, it will check whether the halt pattern displayed on the adjustable display 228,229 has been a high probability-

changing figure (this example — "1", "3" or "7", and refer to drawing 36) (Step S584) When it is a high probability—changing figure, a high probability—changing figure, a high probability—changing figure, set (Step S585). And a processing is usually updated to the value corresponding to processing (Step S500) (Step S586), and pattern halt end processing is ended. [0249] Moreover, when a halt pattern is an inside probability—changing figure, (Step S587) and an inside probability—changing flag are set (Step S587). And a process flag is usually updated to the value corresponding to processing (Step S500) (Step S586),

and pattern halt end processing is ended. [0250] When a halt pattern is a low probability pattern (pattern which is not a high probability—changing figure or an inside processing (Step S500) (Step S586), and pattern halt end the value corresponding to processing (Step S500) (Step S586), and pattern halt end

processing is ended.

[0251] As mentioned above, with the gestalt of this operation, it determines whether to make into a low probability state whether to make into an inside probability state whether to make into an inside probability state whether to confide the state determination means to consider as a high probability state based on a predetermined random number (random 10). And after a specific game state is completed, game control means are actually changed into a high probability state, an inside probability state, or a low probability state based on the determination result of a state determination means. Each state is realized by changing the internal atructure of adjustable winning—a-prize sphere equipment 220. In addition, a high probability state is in the state where the high probability—changing flag is inside probability state is in the state where the inside probability—changing flag is set, and a low probability state is in the state where the inside probability—changing flag is set, and a low probability state is in the state where the inside probability—changing flag is

flag is set. [0252] And if a specific game state next arises, a probability-changing state (a high probability state, an inside probability state, or low probability state) will be ended. [0253] In addition, although information by change of the pattern in the adjustable display 228,229 was performed with the gestalt of this operation after the specific game state was completed, and a setup of the probability state based on the determination by the state determination means is performed after the end of a determination by the state determination about a probability state may be made to be specific game state, the information about a probability state may be made to be

performed before a specific game state.

[0254] Drawing 41 is a timing chart for explaining change (change of a internal structure) of the state of the adjustable winning—a-prize sphere equipment 220 according to the set state of a high probability—changing flag. As shown in drawing 41 (A), in the low probability state, according to detection of the game sphere by the starting ball detector, adjustable winning—a-prize sphere equipment 220 (specifically pieces 223a detector, adjustable winning—a-prize sphere equipment 220 (specifically pieces 223a and 223b of opening and closing) opens wide during the predetermined period by Solenoids 224a and 224b, and opening 235 will be in a predetermined period closing

probability state also from this. the state of being easy to do V winning a prize [ state / inside probability ] of a high intercepts the front of the specific acceptance mouth 242. Therefore, it will be in members 243a and 243b are maintained by the solenoid 245 in the position which to do V winning a prize of from an inside probability state. Moreover, the movable state and is long. Therefore, a high probability state will be in the state of being easy predetermined period in a closing state compares the case of an inside probability 235 will be in a predetermined period closing state by the solenoid 235. The the game sphere by the starting ball detector, in the high probability state, opening predetermined period opening by Solenoids 224a and 224b according to detection of equipment 220 (specifically pieces 223a and 223b of opening and closing) carries out [0256] As shown in drawing 41 (C), while adjustable winning-a-prize sphere winning a prize L state / low probability 1 of an inside probability state also from this. acceptance mouth 242 arises, and it will be in the state of being easy to do V caught by the movable members 243a and 243b in the front of the specific period and its state are maintained. Therefore, the period when a game sphere is solenoid 245 (moved to a lower part from the upper part), and a predetermined the position which intercepts the front of the specific acceptance mouth 242 by the low probability state. Moreover, the movable members 243a and 243b are moved to probability state will be in the state of being easy to do V winning a prize of from a predetermined period in a closing state is in a low probability state, an inside state in which V winning a prize is possible. Since it compares and is long when the up rolling board 240 with rotation operation of a rotating drum 236, it will be in the permanent magnets 239a-239c in a rotating drum 236, and since it is sent into the which it stays on the opening board 34 is attracted by the magnetism of the probability state and is long. In the state of closing of opening 32, the game sphere However, the predetermined period in a closing state compares the case of a low and opening 235 will be in a predetermined period closing state by the solenoid 235. closing) opens wide during the predetermined period by Solenoids 224a and 224b, prize sphere equipment 220 (specifically pieces 223a and 223b of opening and detection of the game sphere by the starting ball detector, adjustable winning-a-[0255] As shown in drawing 41 (B), in the inside probability state, according to the state of being comparatively hard to do V winning a prize of. win a prize of the specific acceptance mouth 242, comparatively. Namely, it will be in specific acceptance mouth 242, a game sphere will be in the state of being hard to sphere is not caught by the movable members 243a and 243b in the front of the acceptance mouth 242 (have evacuated to the upper part). Therefore, since a game maintained in the position which does not intercept the front of the specific state by the solenoid 235. Moreover, the movable members 243a and 243b are

the case where it opens only once is illustrated by drawing 41 . Moreover, it is in the carry out multiple-times opening according to detection ot a starting ball detector, [0257] In addition, although adjustable winning-a-prize sphere equipment 220 may

state which is hard to carry out V winning a prize from the normal state whose low probability state is not in a probability—changing state (a high probability state, an inside probability state, or low probability state; and rather than an inside probability—changing state, although a normal state is in the state which is hard to carry out V winning a prize, it may change a low probability state into the same state

10 generates success game end — random — it is difficult to detect the timing which the value of value of 6 generates, and the number made into a high probability state after a great maximum continuation rounds -- random -- it responded to the timing which the pattern generates based on the signal, it responded to the largest number of the value of the random 5 which is usually in agreement with the hit decision value of a substrate from the main substrate 31 is able to be observed The timing which the the signal outputted to a game machine by the means of carrying an inaccurate counter for generating random 5, random 6, and random 10 becomes random Though value of the counter for generating 10 is changed Since the initial value of the operation, as explained above — 5 — random — 6 — and random — the initial for state determination (random 10) per pattern takes I round with the form of this number for the number determination of rounds (random 6), and the random number for usually generating the random number for a judgment (random 5), the random value of the random number for initial value, when the counted value of the counter [0259] the random number for initial value is extracted and random based on the the state of being hard to do V winning a prize of, by controlling opening 232 further. controls the movable members 243a and 243b, but, you may be made to change into number of the maximum continuation rounds, as shown in drawing 41 (A) it not only specific acceptance mouth 242 in that case in the round corresponding to the upper part) is maintained in the position which does not intercept the front of the a prize of the movable members 243a and 243b by what (to have evacuated to the 220. And although it illustrated changing into the state of being hard to do V winning being hard to do V winning a prize of adjustable winning-a-prize sphere equipment success game state (random round determined based on 6), it is set as the state of corresponding to the number of the maximum continuation rounds in a great [0258] Moreover, with the form of this operation, as mentioned above, in the round as a normal state.

10 generates 10 generation of this operation, a game person performs a predetermined game, and it responds to specific condition formation, and is the round (with the form of this operation) of the advantageous number of times of predetermined for a game person. Control in the specific game state which becomes [ consisting of 18 times of opening and closing cycles and ] is possible, and it sets in the specific game state. It is based on formation of the continuation conditions by a game sphere winning a prize of the specific acceptance mouth 242 as a specific field. It is possible to make a predetermined round continue repeatedly until it reaches the number of times of a continuation upper limit (the form of this operation reaches the number of times of a continuation upper limit (the form of this operation

program. CPU56 perform. The processing especially in the step S502 is equivalent to the upper limit is realized by the form of this operation by the program which CPU56 and opportunity outside. In addition, the number-of-times determination means of an specify the timing which is in agreement with a predetermined value from the game 1st state (state advantageous to a game person) specially can make it difficult to the specific game state which controls adjustable winning-a-prize equipment in the Consequently, the numeric value used in order to determine the number of rounds in corresponds with a predetermined decision value becomes unfixed is realized. means for a judgment of a numeric value for the number of times of an upper limit machine controlled so that the timing whose numeric value updated with the renewal for the number determination of rounds at the form of this operation). The game on the extracted numeric value and a predetermined decision value (decision value times of a continuation upper limit of the round in a great success game state based number-of-times determination means of an upper limit to determine the number of numeric value for the number of times of an upper limit is extracted. It has a condition formation, the numeric value of the renewal means for a judgment of a the form of this operation counter for generating 6), Based on predetermined specific game state by predetermined numeric-value within the limits (random, with judgment of the number of times of a continuation upper limit of the round in a times of an upper limit to update the numeric value for a judgment used for the 15 times). A renewal means for a judgment of a numeric value for the number of

program. [0261] With the gestalt of each operation of the gestalt 3. above of operation, although the 1st sort pachinko game machine or the 2nd sort pachinko game machine was made into the example, this invention is applicable also to the 3rd sort pachinko game machine from the transverse plane. The game board 501 of the 3rd sort pachinko game machine from the transverse plane. The game board 501 is attached in the main part of a pachinko game machine removable.

[0262] The game sphere discharged from the hit ball launcher goes into the game field 507 through between the outside rail 501 and the inner rails 502, and gets down from the game field 507 after that. If a game sphere passes through the gate 511 and is detected by gate switch 511s, the adjustable display in the pattern drop 510 or started. With the gestalt of this operation, usually, the pattern drop 510 consists of two lamps with which the pattern (they are O and x at this example) 510 consists of two lamps with which the pattern (they are O and x at this example) was drawn on each, and when two lamps light up by turns, an adjustable display is made. And it becomes a hit, after the lamp of O has stopped and an adjustable display is completed.

[0263] When it becomes a hit, the electric accessory 550 usually operated and will be wide opened by the specific winning—a-prize mouth 532. if the game sphere with which the game sphere won a prize of the specific winning—a-prize mouth switch 532a — both — distribution — it goes into a member 535 \*\*\*\* [ passage of the special equipment operation judging

sphere is specially stored in the crevice of the flare-part material 542 of the lower Moreover, in change of the judgment pattern in the adjustable display 512, the game prepared in the portion of the equipment operation judging pattern gate 541. through the equipment operation judging pattern gate 541 specially is specially as an operation detection means which detects the game sphere which passed pattern \ in the adjustable display 512 \ then, I in addition, pattern gate switch 541a pattern gate 541 in a flare part 540 / begin / an adjustable display / a judgment

[0.264] In addition, in the game field 507, the game sphere which usually won a prize part of the equipment operation judging pattern gate 541.

individual will pay out as a premium. specific winning-a-prize mouth switch 532a, the game sphere of a predetermined detected by the winning-a-prize mouth switches 513a, 514a, 515a, and 516a and mouth switches 513a, 514a, 515a, and 516a, respectively. If a game sphere is of the winning-a-prize mouth 513,514,515,616 is detected by the winning-a-prize

mouth switch 520a, it means winning a prize of a starting mouth. Moreover, a large When a game sphere is rotated by body of revolution 521 and detected by starting lower part of the body of revolution 521 in starting winning-a-prize equipment 520. winning-a-prize mouth which forms an electric accessory specially is formed in the equipment 555 which has the opening-and-closing board 551 for opening the large starting winning-a-prize equipment 520, and the adjustable winning-a-prize sphere 542 is usually guided to a field 543. In addition, body of revolution 521 is formed in pattern, the game sphere which was staying to the crevice of the flare-part material of the judgment pattern in the adjustable display 512 separates, and when it is a and a game sphere tends to win a prize. The adjustable display result (halt pattern) state (great success game state) where a large winning-a-prize mouth opens wide, will be detected by starting mouth switch 520a. Then, it shifts to the specific game starting winning-a-prize equipment 520 in a right generating state, the game sphere if a game sphere wins a prize of the starting mouth (an example of a starting field) in 544a specially prepared in the equipment operating space 544, a right will occur, and guided to the equipment operating space 544 with a guide. And if detected by sensor which was being stored in the crevice of the flare-part material 542 is specially adjustable display 512 hits, a hit occurs that it is a pattern, and the game sphere [0265] The adjustable display result (halt pattern) of the judgment pattern in the

of the game sphere to an equipment operating space) for generating a right again wins a prize of a starting mouth. However, when operation (specially winning a prize of a predetermined individual (the gestalt of this operation eight pieces or 16 pieces) large winning-a-prize mouth opens again. A right is continued until the game sphere large winning a prize mouth will be closed. And as long as the right is continuing, a individual (for example, ten pieces) wins a prize of a large winning-a-prize mouth, a [0266] In each open period (each round), if the game sphere of a predetermined open state by the bird clapper.

winning-a-prize mouth is wide opened for the opening-and-closing board 551 by the

during continuation of a right is performed, the right disappears and a specific game state ends it. In addition, a released time (for example, 29.5 seconds) is decided about each opening, and if a released time passes even if the number of winning a prize does not reach a predetermined individual, a large winning—a—prize mouth will

be closed. [0267] Moreover, the game sphere which won a prize of a large winning—a-prize mouth into the specific game state is detected by count switch 551a. If a game sphere is detected by count switch 551a, the game sphere of a predetermined individual will pay out as a premium. And if the number of detection of the game sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number, a large winning—a-sphere by count switch 551a turns into a predetermined number.

prize mouth will be closed.

[0268] In addition, a game control board (the main substrate), an expenditure control board, a ramp—control substrate, the sound control board, the discharge control board, the pattern control board, the power supply substrate that has a backup power supply are installed in the rear face of a game machine also with the form of this operation. The game control means realized in the main substrate like the case of the forms 1 and 2 of operation, and game control means control advance of a game. Moreover, you may usually be made to indicate a pattern and the judgment pattern with one adjustable display by adjustable. Moreover, with the form of this operation, it is equivalent to the special adjustable winning—a—prize equipment from operation, it is equivalent to the special adjustable winning—a—prize equipment from which adjustable winning—a—prize sphere equipment 555 can change to a state

advantageous to a game person. [0269] Next, operation of a game machine is explained. The game control means (circumference circuits, such as CPU, and ROM, RAM) in the main substrate will start the processing shown in drawing 9, and the same main processing, if a power supply is switched on to a game machine and the input level of a reset terminal

becomes high-level. [0270] If a timer interruption occurs after execution (Steps 511-515) of the initialization processing in main processing is completed, game control means will perform game control processing of Steps 5331-5342 shown in drawing 43, after performing evacuation processing (Step 5310) of the register shown in drawing 43. In game control processing, first, game control means input the detecting signal of switches, such as the winning-a-prize mouth switches 513a, 514a, 515a, and 516a, switches, such as the winning-a-prize mouth switch switches 513a, 514a, 515a, and 516a, specific winning-a-prize mouth switch 532a, and count switch 551a, and perform

those state judgings (switch processing: step 5331). [0271] Subsequently, various unusual diagnostic processes are performed by the self-checking function with which the interior of a pachinko game machine is equipped, and according to the result, if required, an alarm will be emitted (error

processing: step 5332). [0272] Next, processing which updates the counted value of each counter for generating each random number for a judgment used for game control is performed

game state is selected and performed. And the value of a process flag is updated controlling a pachinko game machine in predetermined sequence according to a In process control, processing which corresponds according to the process flag for [0274] Furthermore, game control means perform process processing (Step 5336). and judgment pattern. number for a judgment, the random number for the number determination of rounds, the initial value of the random number for a judgment per pattern per the random random number for initial value, there is a random number for usually determining for a judgment) for determining a gap as a random number for a judgment. As a game state per pattern has a random number (per judgment pattern random number number for a judgment and the number of times of round continuation of a specific determination of rounds) and judgment pattern for usually determining the random [0273] Moreover, hit/with the random number (random number for the number judgment pattern in the adjustable display 512 as a random number for a display etc. this operation, there is a random number for determining the halt pattern of the number for initial value further (Steps S334 and S335). In addition, with the form of value of the counter for generating the random number for a display, and the random (Step S333). Game control means perform processing which updates the counted

during each processing according to a game state.

[0275] Moreover, pattern process processing is usually performed (Step S337). By pattern process processing to which it usually corresponds according to pattern process processing, processing to which it usually corresponds according to a pattern process flag in order to usually control the display state of the pattern value of a pattern process flag is usually updated during each processing according to a game state. In addition, pattern process processing is usually an execute permission like the case (refer to drawing 25) of the gestalt 1 of operation.

[0276] Subsequently, game control means perform processing which sets a display—control command as the predetermined field of RAM55, and transmits a display—control command (command control processing: step S338). Furthermore, game control command (command control processing which outputs data supplied to control means perform information output processing which outputs data supplied to control means perform information output processing which outputs data supplied to control example, a hole administrative computer, such as great success information and for example, a hole administrative computer, such as great success information and

starting information information, (Step S339). Moreover, game control means output drive instructions to a solenoid, when predetermined conditions are satisfied (Step S340). Furthermore, the signal which orders it the drive of each motor is given to each motor (Step S341). [0278] And game control means perform awarded-balls processing which performs a setup of the awarded-balls number based on detecting signals, such as the winning-a-prize mouth switches 513a, 514a, 515a, and 516a and count switch 551a, etc. (Step S342). Specifically according to the winning-a-prize detection based on what the winning-a-prize mouth switches 513a, 514a, 515a, and 516a, count switch 551a, etc. etc. (Step S342). Specifically according to the winning-a-prize mouth switches 513a, 514a, 515a, and 516a, count switch 551a, etc. (Step S342). Specifically succording to the winning-a-prize mouth switches 513a, 514a, 515a, and 516a, count switch 551a, etc.

carried in the expenditure control board drives sphere expenditure equipment according to the expenditure control command which shows the awarded-balls number. Then, the contents of a register are returned (Step S343) and it is set as an interruption authorized state (Step S344).

interruption authorized state (Step 5344).

[0279] By the above control, game control processing will be started every 2ms with the form of this operation. In addition, although game control processing is performed by timer—interruption processing, only the set of a flag in which it is shown that interruption occurred is made, and game control processing may be made to perform in timer—interruption processing with the form of this operation in

main processing. [0280] Drawing 44 is explanatory drawing showing each random number. Each

[0280] Drawing 44 is explanatory drawing showing each random number. Each random number is used as follows.

- (1) Determine whether usually generate the hit based on a pattern in the random
- 5:common pattern drop 510 (usually per pattern for a judgment).
  (2) Determine the number of times of round continuation at the time of random
- 6:right generating (for the number determination of rounds).
  (3) Random 5 initial-value of random 5 (for random 5 initial-value
- determination). (4) Random 6 (for random 6 initial-value (4)
- determination). (5) Determine the hit based on a random 12:judging pattern (per judgment pattern for
- a judgment). (6) Random 13 : determine the initial value of random 12 (for random 12 initial-value
- determination).

  [0281] In addition, at Step S333 in the game control processing shown in drawing 43, game control means count up the counter for [ of (1) ] usually generating the random number for a judgment per pattern per the random number for a judgment, the random number for the number determination of rounds of (2), and judgment pattern of (5) (1 addition). That is, they are the random numbers for a judgment and random numbers other than these are a random number for a display, or a random number for initial value, in addition, the game effect is heightened random numbers about a pattern other than the random number of above—mentioned (1) numbers about a pattern other than the random number of above—mentioned (1) numbers about a pattern other than the random number of above—mentioned (1) numbers about a pattern other than the random number of above mentioned (1) numbers about a pattern other than the random number of above mentioned (1) numbers about a pattern other than the random number of above mentioned (1) numbers about a pattern other than the random number of above mentioned (1) numbers about a pattern other than the random number of above mentioned (1) numbers about a pattern other than the random number of above mentioned (1) numbers are usually used for accumulating Moreover, the range which each random
- also be used. [0282] Drawing 45 is explanatory drawing in which hitting with the random number for a judgment (random 12) per judgment pattern, and showing an example of a relation with a decision value. As shown in drawing 45, if the value of the extracted random 12 is in agreement with 3, 5, or 7, with the form of this operation, it will be decided that it will be the hit with a judgment pattern. In addition, CPU56 performs a judgment the value of random 12 hits and in agreement with a decision value in process processing (Step 5336). that is, in process processing, CPU56 is random, process processing (Step 5336). that is, in process processing, CPU56 is random,

number value shown in drawing 44 can take is also an example, and other ranges can

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right is continued until 16 game spheres win a prize of a starting mouth. That is, a Moreover, when the number of times of round continuation is determined as 16, a 8, a right is continued until eight game spheres win a prize of a starting mouth. [0284] In addition, when the number of times of round continuation is determined as continuation will be determined as 16 is in agreement with values other than 0, 10, and 18, the number of times of round continuation was determined as 8, and was extracted -- random -- if the value of 6 value of 6 was in agreement with U, 1U, or 18, the number of times of round drawing 46, it was extracted with the form of this operation — random — when the rounds (random 6), and the number of times of round continuation. as shown in decision value for determining the random number for the number determination of [0283] Drawing 46 is explanatory drawing showing an example of a relation with the display result, i.e., the halt judging pattern, of the adjustable display 512 either of the decision values, it will determine to make it into the pattern of a hit, the the value of 12 is extracted, an extraction value hits and it is in agreement with through the equipment operation judging pattern gate 541 specially is detected -- if when the game sphere with which for example, pattern gate switch 541a passed

8, a right is continued until eight game spheres win a prize of a starting mouth. That is, a right is continued until eight game spheres win a prize of a starting mouth. That is, a right is continued until 16 game spheres win a prize of a starting mouth. That is, a right will disappear, it eight pieces or 16 game spheres win a prize of a starting mouth, and a specific game state is ended. Moreover, when operation (specially mouth, and a specific game sphere to an equipment operating space) for generating a right again during continuation of a right is performed, it disappears. A round copering of a large winning—a-prize mouth) is repeated until a right disappears. Moreover, the pattern by which it is indicated by adjustable in the adjustable display 512 is set to 0–9, for example, when a halt pattern is "77", the number of times of round continuation is set to 16, and when it becomes a hit in the other halt pattern, you may enable it to specify the number of times of round continuation with the pattern used as the hit so that the number of times of rounds are shown), you may make it a halt pattern report the number of times of rounds are shown), you may make it a halt pattern report the number of times of rounds are shown), you may make it a halt pattern report the number of times of rounds are shown), you may make it a halt pattern report the number of times of rounds are shown), you may make it a halt pattern report the number of times of rounds on the second of times of rounds are shown), you may make it a halt pattern report the number of times of rounds on the number of times of rounds are shown).

[0285] Drawing 47 and drawing 48 are flow charts which show an example of the random number update process for a judgment (Step S333) performed by the game control processing shown in drawing 43. In the random number update process for a judgment, game control means carry out the value of the counter for generating random 5 (usually per pattern random number for a judgment) +one (Step S301).

When the value of the counter for generating random 5 has become above (maximum +1), (Step S302) and counted value are returned to 3 (Step S303). In addition, with the form of this operation, (maximum +1) is 14.

the form of this operation, (maximum +1) is 14. [0286] And it checks whether game control means have been in agreement with the value with which the value of the counter for generating random 5 is saved as initial value at the initial value buffer for random 5 (Step S304). If not in agreement, counted value remains as it is. When in agreement, random 8 (random number for

value of the counter for generating random 13 is inputted. And while saving the random 12 initial-value determination) is extracted (Step S325). That is, the counted counted value remains as it is. When in agreement, random 13 (random number for value at the initial value buffer for random 12 (Step S324). If not in agreement, value with which the value of the counter for generating random 12 is saved as initial [0290] And it checks whether game control means have been in agreement with the In addition, with the form of this operation, (maximum +1) is 19. above (maximum +1), (Step S322) and counted value are returned to 0 (Step S323). (Step S321). When the value of the counter for generating random 12 has become generating random 12 (per judgment pattern random number for a judgment) +one [0289] Furthermore, game control means carry out the value of the counter for restored. currently held at the change data-storage means, when an electric power supply is Game control means continue numerical updating based on the numeric value up. Moreover, the initial value buffer for random 6 is also formed in Backup RAM. random 6 is saved at Backup RAM, it is returned to a preservation value at a power initial value when a power supply is supplied to a game machine, when the value of time. In addition, although it is set as the counter for "O" generating random 6 as Therefore, the initial value of the counter for generating random 6 is changed at this the extracted value is set as the counter for generating random 6 (Step 5317). extracted value as initial value at the initial value buffer for random 6 (Step S316), value of the counter for generating random 9 is inputted. And while saving the random 6 initial-value determination) is extracted (Step S315). That is, the counted counted value remains as it is. When in agreement, random 9 (random number for value at the initial value buffer for random 6 (Step S314). If not in agreement, value with which the value of the counter for generating random 6 is saved as initial [0288] And it checks whether game control means have been in agreement with the In addition, with the form of this operation, (maximum +1) is 19. above (maximum +1), (Step S312) and counted value are returned to 0 (Step S313). (Step S311). When the value of the counter for generating random  $\theta$  has become generating random 6 (random number for the number determination of rounds) +one [0287] Moreover, game control means carry out the value of the counter for up. Moreover, the initial value buffer for random 5 is also formed in Backup RAM. random 5 is saved at Backup RAM, it is returned to a preservation value at a power initial value when a power supply is supplied to a game machine, when the value of time. In addition, although it is set as the counter for "3" generating random 5 as Therefore, the initial value of the counter for generating random 5 is changed at this the extracted value is set as the counter for generating random 5 (Step S307). extracted value as initial value at the initial value buffer for random 5 (Step S306), value of the counter for generating random 8 is inputted. And while saving the random 5 initial-value determination) is extracted (Step S305). That is, the counted

extracted value as initial value at the initial value butter tor random 12 (Step S326),

Therefore, the initial value of the counter for generating random 12 (Step S327). Therefore, the initial value of the counter for generating random 12 is changed at this time. In addition, although it is set as the counter for "0" generating random 12 as initial value when a power supply is supplied to a game machine, when the value of random 12 is saved at Backup RAM, it is returned to a preservation value at a power up. Moreover, the initial value buffer for random 12 is also formed in Backup RAM. Game control means continue numerical updating based on the numeric value currently held at the change data-storage means, when an electric power supply is serves

restored.

[0.291] Drawing 49 is a flow chart which shows an example of the random number update process for initial value repeatedly performed in interruption remainder time (time until next 2ms timer interruption occurs after a game control processing end) in the main processing shown in drawing 9 (Step S355). In the random number update process for initial value, game control means carry out the value of the counter for generating random 8 (random number for random 5 initial-value determination) +one (Step S351). When the value of the counter for generating random 8 has become above (maximum +1), (Step S352) and counted value are returned to 3 (Step S353). In addition, (maximum +1) is 14 like the case of random 5. [0.292] Moreover, game control means carry out the value of the counter for generating random 9 (random number for random 6 initial-value determination) +one (Step S354). When the value of the counter for generating random 9 (random number for random 6 initial-value determination) +one (Step S354). When the value of the counter for generating random 9 (random number for random 6 initial-value determination) +one above (maximum +1), (Step S355) and counted value are returned to 0 (Step S356). In addition, (maximum +1) is 19 like the case of random 6.

In addition, (maximum +1) is 19 like the case of random 6. [0.293] And game control means carry out the value of the counter for generating random 13 (random number for random 12 initial-value determination) +one (Step S357). When the value of the counter for generating random 13 has become above (maximum +1), (Step S358) and counted value are returned to 0 (Step S359). In

addition, (maximum +1) is 19 like the case of random 12. [0.294] As mentioned above, with the form of this operation, a game person performs a predetermined game, and it responds to specific condition formation (the form of this operation) of this operation right generating), and is the round (with the form of this operation) of the advantageous number of times of predetermined for a game person. Control in the becoming specific game state is possible, and it sets in the specific game state. One round — from opening of the opening—and—closing board 551 of adjustable winning—a-prize sphere equipment 555 up to closing — from — It is possible to make a predetermined round continue repeatedly based on formation (the form of this operation continuation of a right) of continuation conditions until it reaches the number of times of a continuation upper limit (the form of this operation 8 times or 16 times). A renewal means for a judgment of a numeric value for the number of an upper limit to update the numeric value for a judgment used for the judgment of the round in a judgment of the rounder of a continuation upper limit of the round in a

[0296] Consequently, it is irregular to the timing which the value of random 5 hits also becomes random. the random 12 for determining whether consider as the hit with a judgment pattern one ] -- the initial value of 6 also becomes random Furthermore, the initial value of number of times of round continuation into the value (this example 8) of the smaller to make into the value (this example 16) of the larger one whether to make the 49 also with the form of this operation moreover, random [ for determining whether usually becomes random by performing processing shown in drawing 47 and drawing by which it is indicated by halt at the pattern display 510, and consider as a pattern [0295] The initial value of the random 5 for determining whether to hit the pattern the form of this operation by the program which CPU56 and CPU56 perform. addition, the number-of-times determination means of an upper limit is realized by corresponds with a predetermined decision value becomes unfixed is realized. In means for a judgment of a numeric value for the number of times of an upper limit machine controlled so that the timing whose numeric value updated with the renewal for the number determination of rounds at the form of this operation). The game on the extracted numeric value and a predetermined decision value (decision value times of a continuation upper limit of the round in a great success game state based number-of-times determination means of an upper limit to determine the number of numeric value for the number of times of an upper limit is extracted. It has a condition formation, the numeric value of the renewal means for a judgment of a the form of this operation counter for generating 6), Based on predetermined specific game state by predetermined numeric-value within the limits (random, with

Moreover, the adjustable display result (halt pattern) of the judgment pattern in the adjustable display / a judgment pattern / in the adjustable display 512 / then, ] equipment operation judging pattern gate 541 in a flare part 540 \ begin \ an -- distribution -- it goes into a member 535 \*\*\*\* [ passage of the special prize mouth 532 is detected by specific winning-a-prize mouth switch 532a -- both the game sphere with which the game sphere won a prize of the specific winning-aand will be wide opened by the specific winning-a-prize mouth 532. furthermore -- if usually hits, and when it is a pattern, the electric accessory 550 usually operated [0297] With the form of this operation, the display result of the pattern display 510 31 is able to be observed, and to send an unjust signal into the main substrate. machine by the means of carrying an inaccurate substrate from the main substrate state for a game person based on the signal, though the signal outputted to a game the value of random 5, 6, and 12 turns into a value which causes an advantageous becomes random at it. That is, it becomes difficult to aim at the timing from which which the value of random 12 hits and is in agreement with a decision value, and it larger one, and it becomes random at it. Furthermore, it is irregular to the timing of random 6 making the number of times of round continuation the value of the is irregular to the timing which is in agreement with the decision value for the value and is in agreement with a decision value, and it becomes random at it. Moreover, it

adjustable display 512 hits, a hit occurs that it is a pattern, and the game sphere currently stored by the detection position of the operation judging pattern gate 541 is specially guided to an equipment operating space with a guide. And if detected by the sensor specially formed in the equipment operating space, a right will occur. And the number of times of round continuation is determined as 8 or 16 with generating the number of times of round continuation is determined as 8 or 16 with generating

of a right. [0298] Therefore, it will be in the state where the display result of the pattern display 510 usually hits, and a right generating state may arise when it is a pattern. Therefore, although the malfeasance person is going to perform the malfeasance so that it desires to usually generate more hit patterns as a display result of the pattern display 510, and it may hit and the halt pattern of the pattern display 510 may usually be made into a pattern, he can prevent such a malfeasance effectively

with the form of this operation. [0299] Moreover, although the malfeasance person is going to perform the malfeasance so that it desires to generate more hit patterns as a display result of the adjustable display 512 which indicates the judgment pattern by adjustable, and it may hit and the halt pattern of the adjustable display 512 may be made into a pattern, he can prevent such a malfeasance effectively with the form of this

operation. [0300] Furthermore, if a judgment pattern stops in the pattern corresponding to 16 times of the number of times of round continuation, a maximum of 16 times of the number of times of round continuation is expectable. Although it is going to perform the malfeasance so that the number of times of round continuation may be made into 16 times, with the form of this operation, such a malfeasance can be prevented

control) carried in the ramp-control substrate 35 control them by the form 2 of substrate 80, you may make it the ramp-control means (CPU351 grade for ramp were controlled by the display-control means carried in the display-control winning-a-prize number drop 228 and the number-of-times drop 229 of continuation 28 ), you may replace them with a liquid crystal display. Moreover, although the game machine of the form 2 of form 4. implementation of operation (refer to drawing drop 229 of continuation by the dot drop were illustrated at the 2nd sort pachinko [0302] Although the winning-a-prize number drop 228 and the number-of-times RAM can be restored to the state before an electric power supply halt. initial value for generating a random number based on the data saved in Backup machine stops The counted value of the counter for determining the counter and backup power supply which can be backed up) after the current supply to a game RAM If an electric power supply is restored in a predetermined time (time of a generating a random number also with the form of this operation is saved at Backup and initial value for preparing RAM backed up by the backup power supply, and [0301] In addition, if the counted value of the counter for determining the counter effectively.

operation.

[0303] A liquid crystal display 250 is formed and drawing 50 is the block diagram showing the example of control of each electrical-part control means in the 2nd sort pachinko game machine with which liquid crystal display 250 grade is controlled by the ramp-control shown in drawing 30, with the form of this operation, the pattern drop 10 and a liquid crystal display 250 are usually controlled by the ramp-control means carried in the ramp-control substrate 35 to be shown in drawing 50. Moreover, a ramp-control means usually controls according to the ramp-control command from the game control means carried in the according to the ramp-control command from the game control means carried in the nain substrate 31.

[0305] Since a liquid crystal display 250 is replaced with the winning-a-prize number drop 228 and the number-of-times drop 229 of continuation in a form 2 of operation drop 228 and the number-of-times as that of the case of the form 2 of operation. [of what and is formed, it is the same as that of the case of the form 2 of operation. [of what and is formed, it is the same as that of the case of the form 2 of operation. [of what

main substrate 31.

[0305] Since a liquid crystal display 250 is replaced with the winning—a-prize number—of—times drop 229 of continuation in a form 2 of operation and is formed, it is the same as that of the case of the form 2 of operation. [of what is displayed in a liquid crystal display control of the winning—a-prize number control means was performing the display control of the winning—a-prize number display—control means with the form 2 of operation.

With the form of this operation, since a ramp—control means performs the display control of liquid crystal display 250 grade Replace with each display—control command for directing the display state of the winning—a-prize number control of liquid crystal display 250 grade Replace with each display—control drop 228 and number—of—times drop of continuation 229 grade) used with the form 2 of operation, and the ramp—control substrate 35 is received from the main substrate of operation, and the ramp—control substrate 35 is received from the main substrate of operation, and the ramp—control substrate 31 is received from the main substrate of operation, and the ramp—control substrate 31 is received from the main substrate of operation, and the ramp—control substrate 31 is received from the main substrate of operation, and the ramp—control substrate 31 is received from the main substrate

display 250 grade is transmitted.

[0306] Moreover, in a liquid crystal display 250, the display for various game production can be performed to others, such as information about a great success game, information about the number of the maximum continuation rounds, and information about the game state after a great success game end. For example, a ramp—control means can be synchronized with the production by lighting of other regards to the winning—a—prize number, the number of times of continuation, the game state after a great success number of the maximum continuation rounds, the game state after a great success performed as a production display to which a character etc. operates can be performed as a production display to which a character etc. operates can be of games for example, other than a great success game end, etc. A production display in a liquid crystal display 250. Thus, the interest of games for example, other than a great success game can be promoted by performing the production display without regards to the winning—a—prize number, the number of times of continuation, the number of the maximum continuation rounds, the game state after a great success game end, etc. in a liquid crystal

display 250. [0307] As explained above, with the form of each above-mentioned operation The random number for determining the upper limit of the number of rounds in a specific

game state, or the number of rounds in a game machine controllable in the specific game state, Determination of change of the internal state of the parts for games (determination the round to which a internal structure is changed) Since the initial value of the counter for generating the random number for the determination of whether to make it change to which state when making it change, etc. was changed at random It change to which state when making it change, etc. was changed at random It becomes difficult to aim at generating of a state advantageous to a game person becomes difficult to aim at generating of a state advantageous to a game person

winning a prize of the game sphere to a winning-a-prize mouth (for example, the timing of a decision value become unfixed. For example, it hits, whenever there is value, and a decision value is changed. In this case, you may make it the change extracted to predetermined timing, it hits based on the extracted random number the random number for changing a hit decision value, the random number value is change them with the form of each above-mentioned operation. For example, using value which makes the number of rounds maximum) was fixed, you may make it [0309] Moreover, although the hit decision value (concept containing the decision to make the number of the circumference random using a random number etc. circumference of the counted value which will change initial value, and may be made value took I round. In this case, you may make adjustable the number of the mentioned operation based on the random number for initial value when counted although the initial value of a counter was changed with the form of the abovechange the initial value of a counter based on the random number for initial value, [0308] In addition, if counted value takes two or more rounds, you may make it unjustly, and a malfeasance can be prevented effectively.

make it change a decision value.

[0310] Furthermore, although the counter for generating the random number for initial value determination was counted up with software with the form of each above-mentioned operation, you may make it count up based on the clock signal created by hardware. In this case, the random nature of initial value improves more by making frequency of a clock signal high sharply to the updating period of the

form of the 1st operation winning-a-prize mouths 29, 30, 33, and 39), and you may

counter by software. [0311] Moreover, although the timing extraction of the random number value (for example, random 6) for determining whether consider as a hit was fixed (at for example, the time of detection according to gate switch 32a at the form of the 1st operation), you may make it shift the timing with the form of each above-mentioned operation. As an amount which shifts timing, the variation of resistance based on a operation. As an amount which shifts timing, the variation of resistance based on a

temperature change can be used.

[0312] Moreover, although the form of each above—mentioned operation explained the case where the initial value of the random number for usually determining the halt pattern of a pattern or a judgment pattern about an adjustable display was changed at random in the game machine which can fluctuate the probability that great success or the hit based on a pattern will usually occur When it is constituted great success or the hit based on a pattern will usually occur When it is constituted

value carries out it I round, you may make it change the initial value of such a usually made into a halt pattern among the hit patterns of a pattern, and counted value that count up periodically two or more kinds of whether which pattern is random number based on the counted value of the counter which returns to initial [0314] Furthermore, when it is constituted so that it may determine using the pattern is usually shortened. time shortening function in which the change time (adjustable display period) of a such a counter at random in the game machine which has specially a pattern and the counted value carries out it I round, you may make it change the initial value of count up periodically whether time shortening of change time is performed, and number based on the counted value of the counter which returns to initial value that [0313] Moreover, when it is constituted so that it may determine using the random make it change the initial value of such a counter at random. probability change is performed and counted value carries out it I round, you may the counter which returns to initial value that count up periodically whether so that it may determine using the random number based on the counted value of

patterns of a pattern, and counted value carries out them I round specially, you may make it change the initial value of such a counter at random.

[0315] When it consists of forms (form I of operation) of the 1st operation so that it may determine using the random number based on the counted value of the counter which returns to initial value that count up periodically whether it is made into reach although it had determined whether consider as reach according to the combination of the determined halt pattern, and counted value carries out it I round, you may make it change the initial value of such a counter at random. Moreover, when it is counted value of the counter which returns to initial value that count up periodically a reach pattern (set of a right-and-left pattern), and counted value carries out it I areach pattern (set of a right-and-left pattern), and counted value of the initial value of reach of such a counter at random. And you may make it change the initial value of the counter at random number for blank pattern determination and the counter for generating the random number for blank pattern determination and the random number for change pattern determination as shown with the form of the

counter at random. Moreover, when it is constituted so that it may determine using the random number based on the counted value of two or more kinds of counters which return to initial value that count up periodically the blank pattern of a pattern, and whether which pattern is usually made into a halt pattern among the blank

1st operation at random.

[0316] Moreover, when it is constituted so that it may determine using the random number based on the counted value of the counter which returns to initial value that count up periodically whether it warns or not and counted value carries out it 1 round, you may make it change the initial value of such a counter at random in the game machine which can perform the preliminary announcement which is the production mode which announces beforehand to a game person that possibility that

the decision of a halt pattern etc., and is updated with the renewal means of a timing whose numeric value which is equipped with a determination means to make judgment adjustable display beforehand, in addition, when controlling so that the considering as the display mode which was able to define the display result in beforehand the display result in adjustable display usually) The determination of (determination considering as the display mode which was able to be defined predetermined decision value based on predetermined condition formation numeric value is extracted and the extracted numeric value is in agreement with a Predetermined determination when the numeric value of the renewal means of a counted value of the counter which generates the random number used etc. other game machine \*\*\*\* -- with a renewal means of a numeric value to update the whether to display a special display mode with judgment adjustable display, and with adjustable display, and \*\*\*\*\*\*) the numeric value used for the judgment of for the judgment of whether to display the display mode usually beforehand defined predetermined numeric-value within the limits Numeric value (for example, it is used person as mentioned above, when predetermined conditions are satisfied by [0320] In the game machine which can change to a state advantageous to a game may be what identification information. called others and a pattern. That is, as long as each is visually distinguishable, you adjustable in each adjustable display is called a number and a pattern, it may be display state, although the identification information by which it is indicated by (change) of the identification information in each adjustable display as change of a adjustable display of a number or a pattern was illustrated as adjustable presenting [0319] Moreover, with the form of each above-mentioned operation, although the pattern, can be used. game opportunity as what satisfies the conditions of an adjustable display start of a composition, such as a thing of a type which incorporates a game sphere inside a start of the pattern in each adjustable display was illustrated, things of other which a game sphere passes as what satisfies the conditions of an adjustable display a type at a thing but a game sphere might pass. Moreover, although the gate through other types, such as what was constituted so that it might not be restricted to such of each above-mentioned operation, a winning-a-prize mouth can use things of the game inside of a plane as a winning-a-prize mouth was illustrated with the form [0318] In addition, although the thing of a type which incorporates a game sphere to prepared, you may make it change the initial value of such a counter at random. display which usually indicates a pattern and the judgment pattern by adjustable is number used for the service in a game store etc. in addition to a pattern and the value carries out it I round when the display which displays specially the lucky value that count up periodically whether a lucky number is displayed and counted

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[0317] Furthermore, when it is constituted so that it may determine using the random number based on the counted value of the counter which returns to initial

reach and great success will occur is high.

numeric value corresponds with a predetermined decision value becomes unfixed, You may control so that timing becomes unfixed using external signals, such as a clock signal according [ a timing change means to control so that the timing which is in agreement with a decision value becomes unfixed ] to hardware. For example, you may make it update the counted value used as initial value of the renewal means of a numeric value using a high-speed clock signal.

decision value about a judgment pattern. with a decision value also about the hit decision value about a pattern, or the hit the renewal means of a numeric value can make unfixed timing which is in agreement addition, it is usually same by changing a decision value that the numeric value of change generates another random number, and is determined, for example. In display 9 is changed to predetermined timing. The great success decision value after make into a great success pattern the halt pattern displayed on the adjustable success decision value compared with the random number for determining whether the adjustable display 9 which indicates the pattern by adjustable specially, the great agreement with a decision value. For example, in the game machine equipped with value of the renewal means of a numeric value can make unfixed timing which is in decision value to predetermined timing. By updating a decision value, the numeric be made the composition equipped with a decision value change means to update a decision and updating a numeric value within the limits of predetermined, it can also decision value, while having a determination means to make a predetermined extracted and the extracted numeric value is in agreement with a predetermined formation. When the numeric value of the renewal means of a numeric value is predetermined numeric-value within the limits, and predetermined condition based on a renewal means of a numeric value to update a numeric value by advantageous to a game person when predetermined conditions are satisfied. It is [0322] Furthermore, it sets to the game machine which can change to a state numeric value according to the variation of resistance to predetermined timing. value of the renewal means of a numeric value are changed at random in the That is, the initial value of the renewal means of a numeric value, then the initial disturbance, the variation of resistance based on a temperature change can be used. timing becomes unfixed using disturbance, such as a temperature change. As decision value becomes unfixed is used, a timing change means may control so that with the renewal means of a numeric value corresponds with a predetermined a timing change means to control so that the timing whose numeric value updated agreement with a predetermined decision value, When the composition equipped with limits, and predetermined condition formation when the extracted numeric value is in numeric value to update a numeric value by predetermined numeric-value within the numeric value, and to make a predetermined decision based on a renewal means of a determination means to extract the numeric value of the renewal means of a advantageous to a game person when predetermined conditions are satisfied. A [0321] Moreover, it sets to the game machine which can change to a state

opportunity outside, and it is effective in the ability to prevent a malfeasance timing which is in agreement with a predetermined decision value from the game times of a continuation upper limit of a round can make it difficult to specify the unfixed The numeric value for a judgment used for the judgment of the number of times of an upper limit corresponds with a predetermined decision value becomes updated with the renewal means for a judgment of a numeric value for the number of was made the composition controlled so that the timing whose numeric value based on the extracted numeric value and a predetermined decision value. Since it number of times of a continuation upper limit of the round in a specific game state has a number-of-times determination means of an upper limit to determine the judgment of a numeric value for the number of times of an upper limit is extracted. It predetermined condition formation, the numeric value of the renewal means for a numeric-value within the limits in invention according to claim 1, Based on limit of the round in a specific game state in a game machine by predetermined for a judgment used for the judgment of the number of times of a continuation upper numeric value for the number of times of an upper limit to update the numeric value [Effect of the Invention] As mentioned above, a renewal means for a judgment of a [0353]

in the ability to prevent a malfeasance effectively. predetermined decision value from the game opportunity outside, and it is effective equipment can make it difficult to specify the timing which is in agreement with a in connection with internal structure change of adjustable winning-a-prize becomes unfixed The numeric value for a judgment specially used for the judgment value for internal structure change corresponds with a predetermined decision value whose numeric value updated with the renewal means for a judgment of a numeric decision value. Since it was made the composition controlled so that the timing equipment specially based on the extracted numeric value and a predetermined decision in connection with internal structure change of adjustable winning-a-prize extracted. It has a internal structure change determination means to make a renewal means for a judgment of a numeric value for internal structure change is to claim 2, Based on predetermined condition formation, the numeric value of the equipment by predetermined numeric-value within the limits in invention according in connection with internal structure change of adjustable winning-a-prize change to update the numeric value for a judgment specially used for the judgment [0324] A renewal means for a judgment of a numeric value for internal structure effectively.

[0325] Since the internal structure change determination means consists of invention according to claim 3 so that a decision in connection with internal structure change of the special adjustable winning—a-prize equipment in a specific game state made, while being able to promote the interest of the game in a specific game state, it becomes difficult to specify the numerical generating timing specific game state, it becomes difficult to specify the numerical generating timing specific game state, it becomes difficult to specify the numerical generating timing specific game state, it becomes difficult to specify the numerical generating timing specific game state, it becomes difficult to specify the numerical generating timing specific game state, it becomes difficult to specific game at a game person in the which produces a internal structure change advantageous to a game person in the

a right generating state. It is based on the game medium having been detected by detected with the special detection means specially prepared in the field, it will be in [0329] In invention according to claim /, on condition that the game medium was detection means, and is effective in the ability to prevent a malteasance effectively. operation of the adjustable winning-a-prize equipment specially by the starting from the game opportunity outside with the game machine which carries out starting means for a judgment of a numeric value corresponds with a predetermined value It can make it difficult to specify the timing whose numeric value of the renewal to a game person than starting operation in the 1st state specially may be generated adjustable winning-a-prize equipment by the specific mode still more advantageous game person Since it is constituted so that the specific game state which controls state, and was specially established in adjustable winning-a-prize equipment for the be in the 1st state advantageous to a game person from the 2nd disadvantageous adjustable winning-a-prize equipment which performs starting operation which will means which detects a game medium in the specific field which has special which detects a game medium in a starting field By detection of a specific detection [0328] In invention according to claim 6, by detection of a starting detection means from the game opportunity outside, and a malfeasance can be prevented effectively. difficult to specify the timing which is in agreement with a specific decision value result in an adjustable display into a specific display mode specially can make it numeric value by which it is used for the judgment of whether to make the display unfixed and which it had The numeric value of a renewal means for a judgment of a value for an adjustable display corresponds with a specific decision value becomes numeric value specially updated with the renewal means for a judgment of a numeric Since it was made the composition which is controlled so that the timing whose the display result in an adjustable display will consider as a specific display mode. value, it has a specific display mode determination means to determine specially that specially. When the extracted numeric value is in agreement with a specific decision means for a judgment of a numeric value for an adjustable display is extracted limits, Based on predetermined condition formation, the numeric value of the renewal display in invention according to claim 5 by predetermined numeric-value within the to display the specific display mode specially defined beforehand in the adjustable display to update the numeric value for a judgment used for the judgment of whether [0327] A renewal means for a judgment of a numeric value for a special adjustable the game opportunity exterior. timing which produces a internal structure change advantageous to a game person in specific game state end, it becomes difficult to specify the numerical generating state end may be made, while being able to promote the interest of the game after a

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invention according to claim 4 so that a decision specially in connection with internal structure change of adjustable winning-a-prize equipment after a specific game

[0326] Since the internal structure change determination means consists of

game opportunity exterior.

the starting detection means prepared in the starting field during the period which is

difficult to specify the timing which is usually in agreement with the decision value display result in an adjustable display into a predetermined display mode can make it numeric value by which it is used for the judgment of whether to usually make the display becomes unfixed the numeric value of a renewal means for a judgment of a an adjustable display usually corresponds with the decision value for an adjustable value usually updated with the renewal means for a judgment of a numeric value for predetermined display mode. Since it controls so that the timing whose numeric means to determine to usually make the display result in an adjustable display into a decision value for an adjustable display, it has a common display mode determination usually extracted. When the extracted numeric value is usually in agreement with the the renewal means for a judgment of a numeric value for an adjustable display is within the limits, Based on predetermined condition formation, the numeric value of adjustable display in invention according to claim 9 by predetermined numeric-value to display the predetermined display mode usually beforehand defined in the display to update the numeric value for a judgment used for the judgment of whether [0331] A renewal means for a judgment of a numeric value usually for an adjustable and it is effective in the ability to prevent a malteasance effectively. decision value for a judgment adjustable display from the game opportunity outside, value can make it difficult to specify the timing which is in agreement with the for the judgment of whether to guide a game medium to a field specially, a numeric adjustable display becomes unfixed Also with the numeric value for a judgment used a judgment adjustable display corresponds with the decision value for a judgment numeric value updated with the renewal means for a judgment of a numeric value for mode. Since it was made the composition controlled so that the timing whose to make the display result in a judgment adjustable display into a special display adjustable display, it has a judgment display mode determination means to determine extracted numeric value is in agreement with the decision value for a judgment judgment of a numeric value for a judgment adjustable display is extracted. When the predetermined condition formation, the numeric value of the renewal means for a according to claim 8 by predetermined numeric-value within the limits, Based on to display a display mode special at a judgment adjustable display in invention display to update the numeric value for a judgment used for the judgment of whether [0330] A renewal means for a judgment of a numeric value for a judgment adjustable ability to prevent a malfeasance effectively. predetermined value from the game opportunity outside, and it is effective in the composition can make it difficult to specify the timing which is in agreement with a times of a continuation upper limit of the round in a specific game state in such generated The numeric value for a judgment used for the judgment of the number of game person from the disadvantageous state for a game person specially may be which controls adjustable winning-a-prize equipment in the advantageous state for a in the right generating state. Since it is constituted so that the specific game state

for an adjustable display from the game opportunity outside. It is effective in the ability to prevent a malfeasance effectively.

[0332] In invention according to claim 10, even if the electric power supply to a game machine stops, a predetermined period is equipped with the change data—storage means which can hold the memorized data. After the numeric value of the renewal means for a judgment of a numeric value is memorized by the change data—storage means and the electric power supply to a game machine stops, Since it is constituted so that it may be possible to continue renewal of the numeric value of constituted so that it may be possible to continue renewal of the numeric value of currently held at the change data—storage means when an electric power supply is currently held at the change data—storage means when an electric power supply is restored, an update process of the numeric value for a judgment can be correctly restored, an update process of the numeric value for a judgment can be correctly

continued at the time of restoration of an electric power supply.

[0333] A renewal means for initial value of a numeric value to update the numeric value for initial value of the renewal means for a judgment of a numeric value in invention according to claim 11, Since it has an initial value change means to change the initial value of the numeric value of the renewal means for a judgment of a numeric value for initial value if the numeric value of the renewal means for a predetermined time circumference Without adding a major change to a game predetermined time circumference Without adding a major change to a game machine, the timing whose numeric value updated with the renewal means for a judgment of a numeric value corresponds with a decision value can become unfixed, and the numeric value of the renewal means of a numeric value can make it difficult as a sim at the timing which is in agreement with a decision value from the game to aim at the timing which is in agreement with a decision value from the game

opportunity outside. [0334] In invention according to claim 12, since game control means perform game control processing according to generating of interruption generated periodically, and it is constituted so that it may be repeatedly updated in the remainder time of the time which game control processing takes to the numeric value of the renewal means for initial value of a numeric value for initial value can be means for initial value of a numeric value, the numeric value for initial value can be

made random. [0335] In invention according to claim 13, since it is set as the interrupt inhibition state during the processing of the time which game control processing takes which updates the numeric value of the renewal means for initial value of a numeric value in time not much, it is prevented that interruption arises in the midst by which the update process of the numeric value for initial value is performed, and fault arises in update process of the numeric value for initial value is performed, and fault arises in

numerical updating.

[0336] In invention according to claim 14, even if the electric power supply to a game machine stops, a predetermined period is equipped with the change data—storage means which can hold the memorized data. After the numeric value of the renewal means for initial value of a numeric value is memorized by the change data—storage means and the electric power supply to a game machine stops, Since it is storage means and the electric power continue renewal of the numeric value of constituted so that it may be possible to continue renewal of the numeric value of

the renewal means for initial value of a numeric value based on the numeric value currently held at the change data-storage means when an electric power supply is restored, an update process of the numeric value for initial value can be correctly

continued at the time of restoration of an electric power supply. [0337] Since it is constituted so that it has the emitter control means which control by invention according to claim 15 the emitter prepared in the game machine based on the command transmitted from game control means and the renewal means of a numeric value for a judgment may be included in game control means, possibility that the updating timing of the numeric value in the renewal means of a numeric value for a judgment can specify from the lighting state of an emitter is reduced, and injustice a judgment can specify from the lighting state of an emitter is reduced, and injustice

can prevent more effectively.

[0338] Since it is constituted so that it has the sound control means which control by invention according to claim 16 the sound generating means prepared in a game machine based on the command transmitted from game control means and the renewal means of a numeric value for a judgment is included in game control means, the possibility that the updating timing of the numeric value in the renewal means of a numeric value for a judgment can specify from the sound output state of a sound generating means is reduced, and injustice can prevent more effectively.

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3.In the drawings, any words are not translated.

#### DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the front view which saw the pachinko game machine from the

transverse plane. [Drawing 2] It is the front view showing the front face of the game board in the state

where the glass door frame was removed. [Drawing 3] It is the rear view which looked at the game machine from the rear face.

[Drawing 4] It is the block diagram showing the example of circuitry of a game

control board (the main substrate).

[Drawing 6] It is the block diagram showing the example of circuitry of a ramp-Drawing 5] It is the block diagram showing the example of circuitry of a pattern

control substrate.

Drawing 7] It is the block diagram showing the example of circuitry of a sound

[Drawing 8] It is the block diagram showing the example of circuitry of a power

control board.

[Drawing 23] It is explanatory drawing showing an example of the number information the random number for the number determination of rounds, and a decision value. [Drawing 22] It is explanatory drawing showing an example of the relation between counter for generating random 6. [Drawing 21] It is explanatory drawing showing an example of the value of the

\*\*\*\*, and (B) is explanatory drawing in which the random number for a judgment and [Drawing 25] (A) is a flow chart which usually shows pattern process processing

[Drawing 26] It is explanatory drawing showing an example of the value of the

[Drawing 24] It is explanatory drawing showing an example of the number

hit/show a relation with a gap.

determination method of rounds.

of rounds.

control board.

counter for generating random 1.

[Drawing 20] It is explanatory drawing showing an example of the value of the

a display.

[Drawing 19] It is the flow chart which shows the random number update process for

initial value.

[Drawing 18] It is the flow chart which shows the random number update process for

a judgment.

[Drawing 17] It is the flow chart which shows the random number update process for a judgment.

[Drawing 16] It is the flow chart which shows the random number update process for

[Drawing 15] It is explanatory drawing showing an example of a random number.

whether consider as great success.

[Drawing 14] It is the flow chart which shows the processing which determines

display.

processing and the reach kind which determine the halt pattern of an adjustable [Drawing 13] It is the flow chart which shows the processing which determines the

brocessing. [Drawing 12] It is the flow chart which shows starting mouth switch passage check

[Drawing 11] It is the flow chart which shows pattern process processing specially. [Drawing 10] It is the flow chart which shows timer-interruption processing for 2ms.

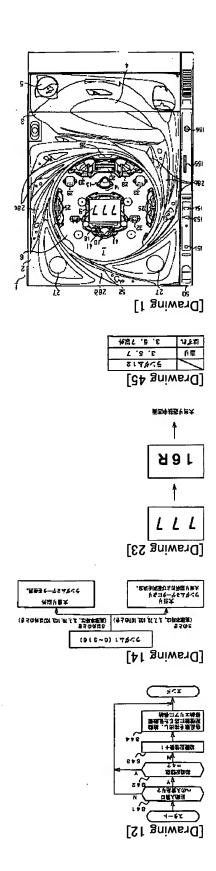
main substrate performs.

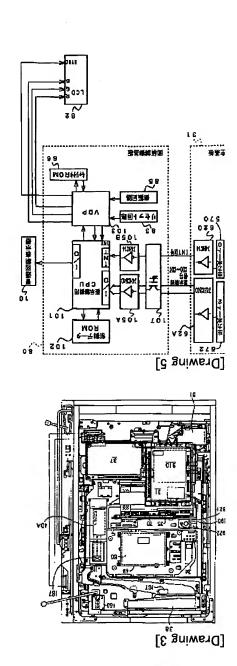
[Drawing 9] It is the flow chart which shows the main processing which CPU in the supply substrate.

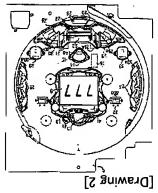
- a judgment. [Drawing 48] It is the flow chart which shows the random number update process for
- rounds, and the number of times of round continuation. [Drawing 47] It is the flow chart which shows the random number update process for
  - decision value for determining the random number for the number determination of
    - value. [Drawing 46] It is explanatory drawing showing an example of a relation with the
- judgment per judgment pattern, and showing an example of a relation with a decision
- Drawing 45] It is explanatory drawing in which hitting with the random number for a
  - [Drawing 44] It is explanatory drawing showing an example of a random number.
- game machine of the gestalt of the 3rd operation.
  [Drawing 43] It is the flow chart which shows timer—interruption processing for 2ms.
  - adjustable winning-a-prize sphere equipment. [Drawing 42] It is the front view showing the front face of the game board of the
  - processing in process processing. [Drawing of the internal structure of
    - initial value. [Drawing 40] It is the flow chart which shows an example of the pattern halt
- [Drawing 39] It is the flow chart which shows the random number update process for
- a judgment.
- a judgment. [Drawing 38] It is the flow chart which shows the random number update process for
- [Drawing 37] It is the flow chart which shows the random number update process for
  - the value of the random number for state determination, and a probability state.
  - rounds, and the number of the maximum continuation rounds. [Drawing 36] It is explanatory drawing showing an example of the relation between
  - decision value for determining the random number for the number determination of
    - [Drawing 35] It is explanatory drawing showing an example of a relation with the
    - [Drawing 34] It is explanatory drawing showing an example of a random number.
      - [Drawing 33] It is the flow chart which shows processing.
- control substrate. [Drawing 32] It is the flow chart which shows timer—interruption processing for 2ms.
  - control board (the main substrate). [Drawing 31] It is the block diagram showing the example of circuitry of a display
    - winning-a-prize sphere equipment. [Drawing 30] It is the block diagram showing the example of circuitry of a game
  - prize sphere equipment. [Drawing 29] It is the perspective diagram showing the composition of adjustable
  - game machine of the gestalt of the 2nd operation. [Drawing 28] It is the front view showing the composition of adjustable winning-a
    - counter for generating random 5. [Drawing the front face of the game board of the

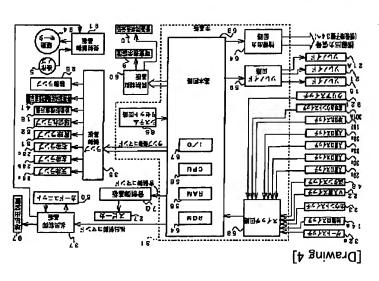
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                               2.*** shows the word which can not be translated.
                                                      reflect the original precisely.
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                            damages caused by the use of this translation.
                            Japan Patent Office is not responsible for any
                                                                     * NOLICES *
                                                                [Translation done.]
                                                       701 CPU for Sound Control
                                 555 Adjustable Winning-a-Prize Sphere Equipment
                                               550 It is Usually Electric Accessory.
                                                  510 It is Usually Pattern Display.
                                                        351 CPU for Ramp Control
                                 220 Adjustable Winning-a-Prize Sphere Equipment
                             80 Pattern Control Board (Display-Control Substrate)
                                                          70 Sound Control Board
                                                                          26 CPU
                                                       35 Ramp-Control Substrate
                                                            31 The Main Substrate
                                  24 Adjustable Winning-a-Prize Sphere Equipment
                                  15 Adjustable Winning-a-Prize Sphere Equipment
                                                     10 It is Usually Pattern Drop.
                                                              9 Adjustable Display
                                                        1 Pachinko Game Machine
                                                        [Description of Notations]
                         electrical-part control means in the gestalt 4 of operation.
          [Drawing 50] It is the block diagram showing the example of control of the
                                                                       initial value.
[Drawing 49] It is the flow chart which shows the random number update process for
                                                                       a judgment.
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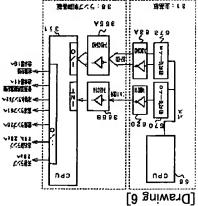
**DRAWINGS** 

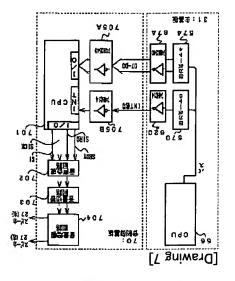






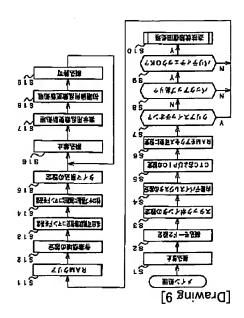


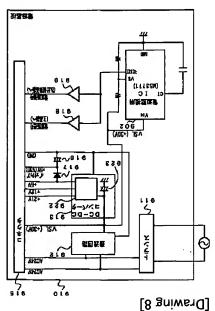




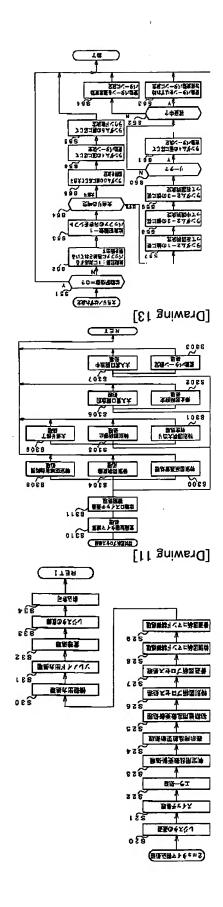
[Drawing 22]

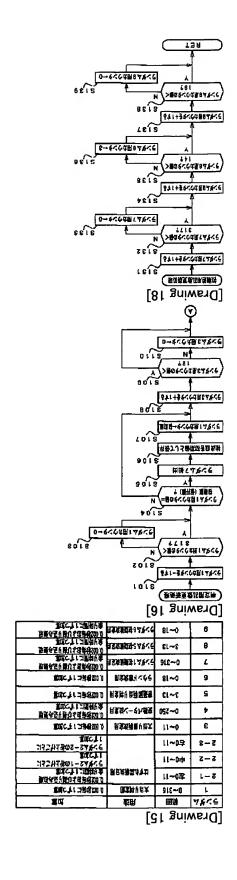
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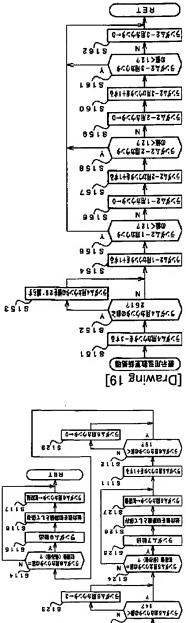


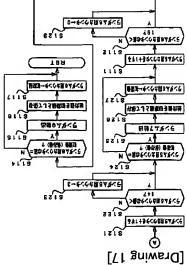
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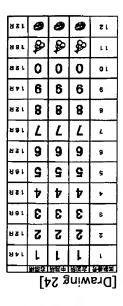


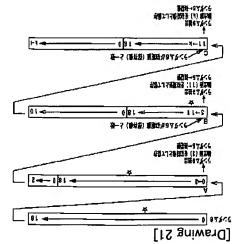
### [Drawing 20]

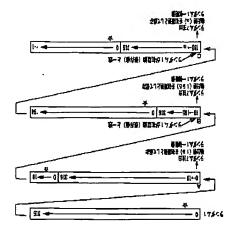




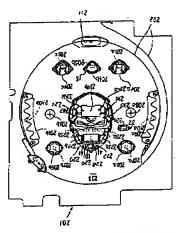
## [Crawing 25]



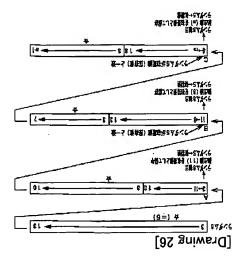




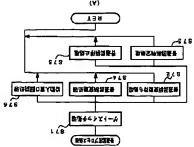
# [Drawing 28]

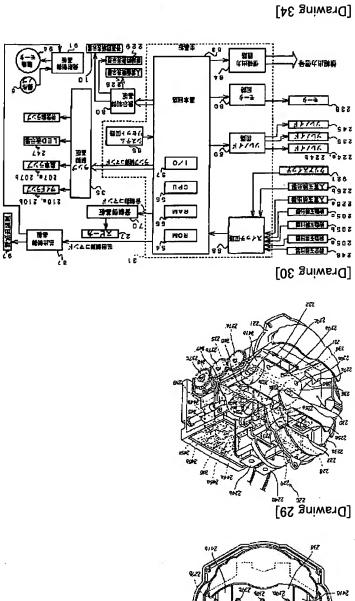


[Nrawing 27]



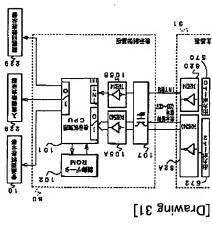


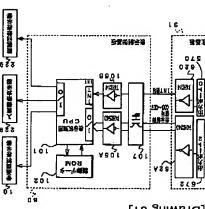




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<b>#</b> 17	在訊	展型	7456
<b>基位です! コラ低型の D</b>	Harvenar .	€1~€	9
真成ですける最初の.0	明的を描すべたの	81~0	9
医療表式り間の支柱を200.0 単位です「二間海火素	Head Marks A Vive	2~13	8_
■ ■ 1 mm 1 4 mm 4 mm 6 mm 6 mm 6 mm 6 mm 6	<b>国家保護保存</b> る人やで	81~0	8
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	研究线器块	11~0	Of
の、002分音は17割り表外発理 表現は177月前	BAMMAIA V.C	11~0	111





RETI 可程式集 御事のもとなっ 要は大からて耐風影響 野森スからた 野級大出当 トレコピ 野山寺東北岳田豊林の 蘇陸南東震压用示器 原政務更進出開室時 要発きせトス

BEO CYA1 (変元者を) (金田) [Drawing 32]

9 I 8 t 2 t 1 t

[Drawing 35]

9' 13 2' 15

1097644

# [Drawing 37]

代記81 ,01 ,0	9 L
81,01,0	8
97,6<€	<b>東西京都印</b> 森
	FOL SUMPLO

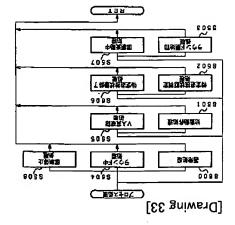
[0rawing 46]

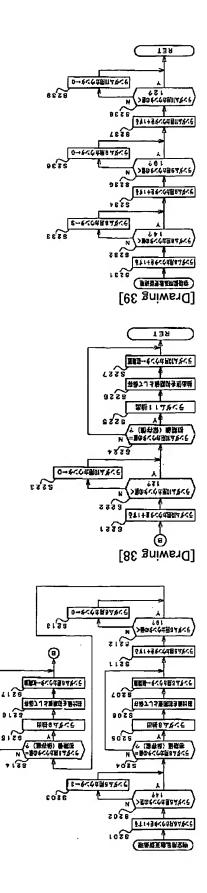
<b>東</b> 坪	<b></b> 套用	田山	7575
##C#15/84200.0	HARVERMEN	2~13	9
東中で下にコ芸者200.0	用なな話すべたで	81~0	9
野球化がり割びも含要者200点 調成できて二面類で含	Bollen Baker	3~13	8
単名というできる。 第12年による。 第12年により	BEARES PARKE	81~0	6
ROCCU FIRMANO.0		81~0	Zl
野菜を近り出いるままら200.0 単位です「河南海ド素	主教論解析はやいく	81~0	٤١

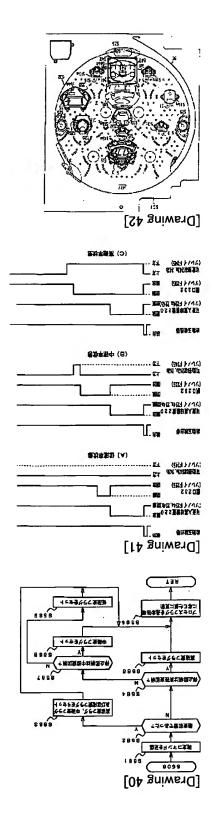
[Drawing 44]

B	年歌中	II
L	字歌声	Ol
5	中健康	6
8	李泰中	8
4	本動業	4
9	本敬事	9
9	本製中	2
,	医睫虫	7
8	字数篇	8
8	征译室	2
ı	定额复	L
•	促婚愈	D
(耐風九等) 耐西原籍	<b>新</b> 升	コマダイニ

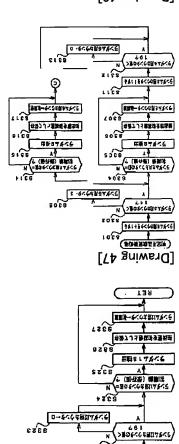
[Drawing 36]

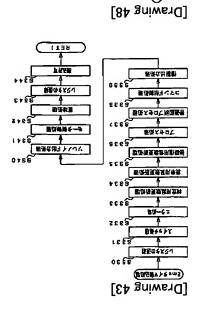






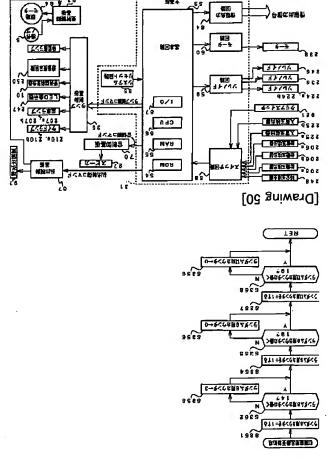
## [0rawing 49]





をサイナをなるない。

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[Translation done.]